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PHASE II REPORT

USAF LOGISTICS PROCESS OPTIMIZATION STUDY for the Aircraft Asset Sustainment Process

AFLMA Project LM9731101

Volume III of III

Future To Be Asset Sustainment Process Model

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1.0 BACKGROUND

In March 1998, HQ USAF/ILXI reviewed the AFLMA/Intergraph Reengineering Team's As Is and To Be process models and requested the team develop a To Be model for a more distant future asset sustainment scenario, unconstrained by today's logistics information systems limitations. The team developed the initial 'distant future' To Be process model after reviewing published Air Force documents on vision, future doctrine, and mission forecasts.

2.0 METHODOLOGY

We reviewed sources including:

- Air Force 2025
- Joint Vision 2010
- Supply 2000
- Quadrennial Defense Review
- Air Force Long Range Plan
- Air Force Logistics Strategic Plan
- DOD Logistic Strategic Plan
- Global Engagement: A Vision for the 21st Century Air Force
- Global Combat Support System Concept of Operations
- 1998 Scientific Advisory Board report on Air Expeditionary Force (AEF) concepts

Using these publications, the AFLMA/Intergraph Reengineering Team merged the presented concepts with current technology and functional momentum. The result was the team's outlined perception of an IDEF-3 future (roughly 10-20 years out) logistics process model.

This future model is based on the team's understanding of the strategic vision and reflects processes meant to:

- Increase efficiency and speed of Air Force logistic systems
- Eliminate redundant, overlapping processes between stove-piped organizations
- Increase the reliability of the logistic systems (including data accuracy)
- Provide an overarching model for the development of all future Air Force logistics

This future process model incorporates current technologies as well as future, emerging technologies. The team did not limit the process model to steps required by current legacy systems, processes, or functional stovepipes.

The model incorporates the principles of Shared Data Environment (SHADE), improved Reliability Centered Maintenance (RCM), increased automation and world-wide web utilization, Forward Support Locations (FSLs), centralized weapon systems management, Expeditionary Aerospace Forces (eAF), and Agile Combat Support concepts.

3.0 DISCUSSION

At the request of Lt Gen William Hallin, HQ USAF/IL, the concepts and process impacts built into the future model were briefed to his deputy and the HQ USAF/IL directorates on 21 and 22 May 1998. The IL staff, in general, agreed that there is benefit to having a process-centric reengineering approach; however, they could not reach consensus on a unified view regarding the future vision of logistics.

Contentious issues included centralized weapons system management and the concept of using forward support locations (more specifically whether they would be established on a regionalized or ad hoc basis). While the concept, as it was presented in our briefing, advocated one centralized office to resolve logistics support shortfalls, some of the IL staff indicated they disagreed with this concept. In their opinion, Air Force leadership seemed to be leaning toward decentralized control and reliance on automated decision tools such as EXPRESS, Standard Base Supply processes, and the Military Standard Requisitioning and Issue Procedures (MILSTRIP) to determine priorities and outcomes for critical asset support to the war fighter.

Use of Forward Support Locations (FSLs) for Agile Combat Support was a relatively new concept with many different interpretations of the implementation methodology. While there appeared to be agreement on the probability of future reliance on FSLs to achieve agile logistics, there was also disagreement. Views appeared to be divided upon whether FSLs should be established based upon peace-time operating locations for specific regions or whether FSLs should be established on an ad hoc basis depending on the theater of operations and type of crisis response.

While the IL staff did agree there is a need to have a vision, methodology, and process that can be used to focus and monitor logistics improvements, they did not necessarily support the use of this project as a vehicle to develop that future vision. The staff agreed that the lack of consensus indicated there is the need for an IL meeting with the "future of logistics" as a topic.

4.0 CONCLUSION

The inability of the IL staff to reach a consensus on the methods needed to achieve the logistics goals and objectives outlined in future doctrine indicates the need for an IL meeting with the future of logistics as a topic. The purpose of this meeting should be

twofold: 1) to foster discussions on the future processes and concepts for logistics and 2) to establish written strategic direction for all future efforts from reengineering to logistics information system modernization. The ideas presented and embedded in this Future To Be Asset Sustainment Process Model can be used to initiate these discussions. As the future relies heavily on Joint operations, coordination with other services is warranted to obtain their vision.

Benefit from using these Future To Be Asset Sustainment Process Model include:

1. Use as an overarching model to be the framework and guide for all future logistics studies and improvement efforts. Using this framework provides IL with a "road map" to determine which areas need further work, and the priority that work should be given. The model would also serve as a guidepost to insure the studies are all working towards the same end goal.
2. Use as a blueprint for developing future logistics information systems. Each process within the model contains "placeholders" where data requirements can be specified in detail and the interrelationship of each data element to data needed by other systems can be examined.

5.0 RECOMMENDATIONS

1. HQ USAF/IL establish and publish a strategic vision that successfully bridges strategy to operations planning that will provide specific insight for implementing the logistics goals and objectives outlined in future doctrine.
2. Once this occurs, use the Future To Be Asset Sustainment Process Model presented in this volume as a starting point to refine the logistics processes of the future.
3. After a new Future Model has been developed, promote its use for refining logistics information systems architecture(s) and shared data requirements.

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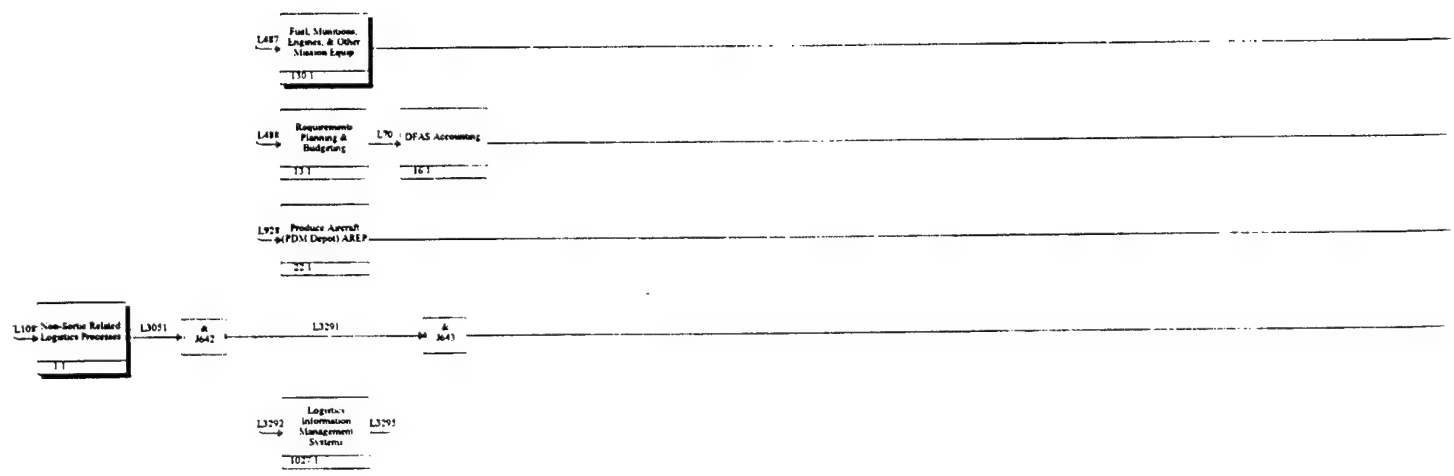
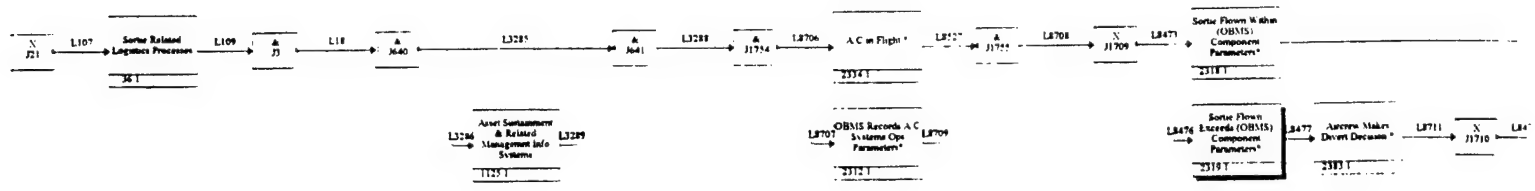
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Scenario: Future To Be Asset Sustainment Process

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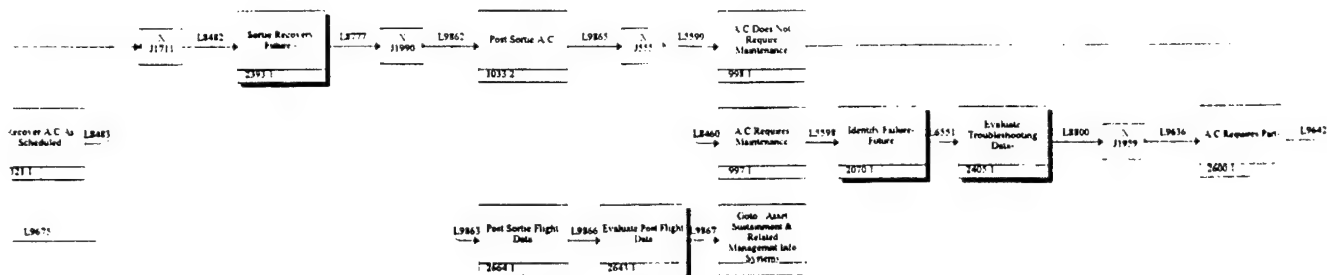


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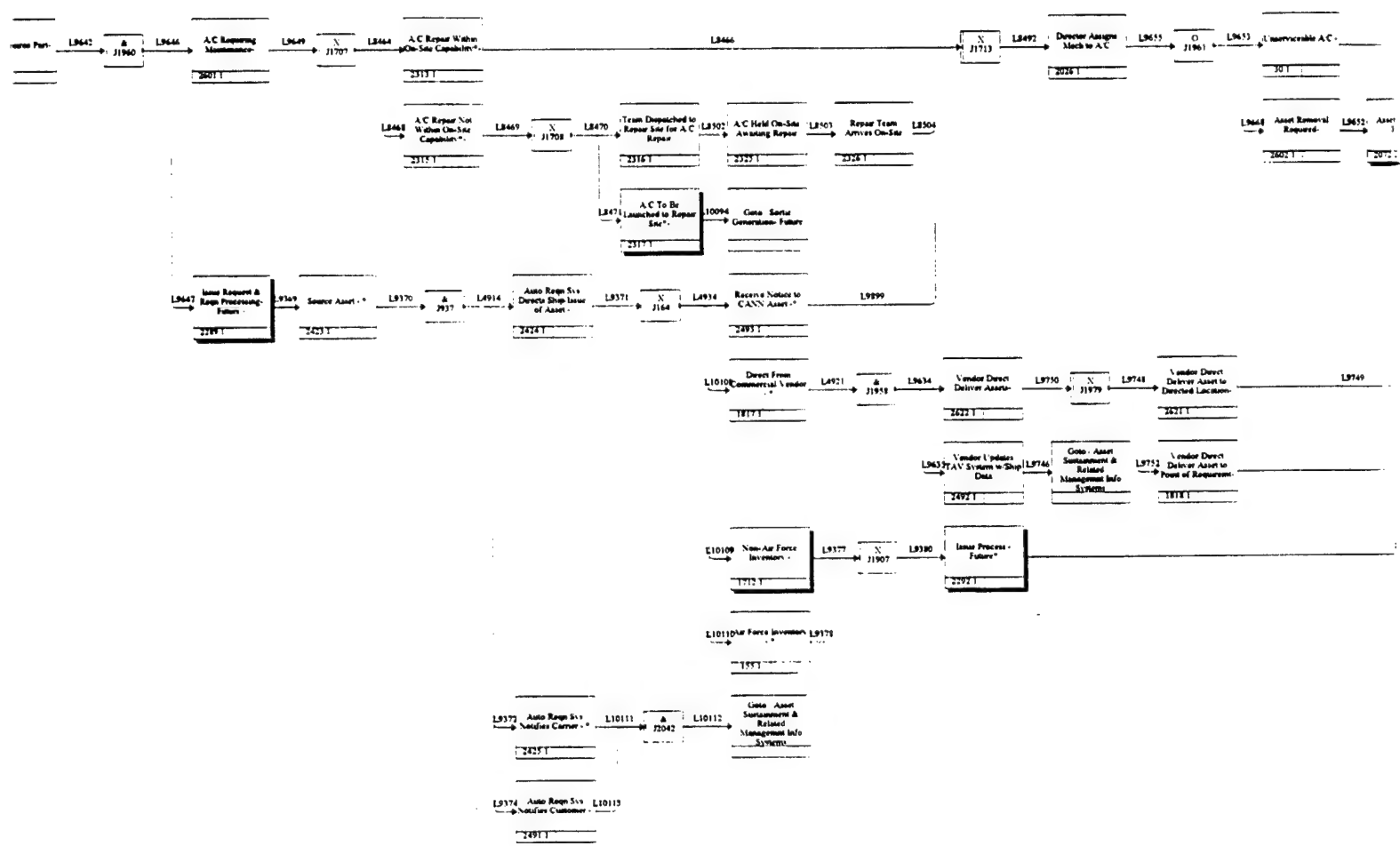
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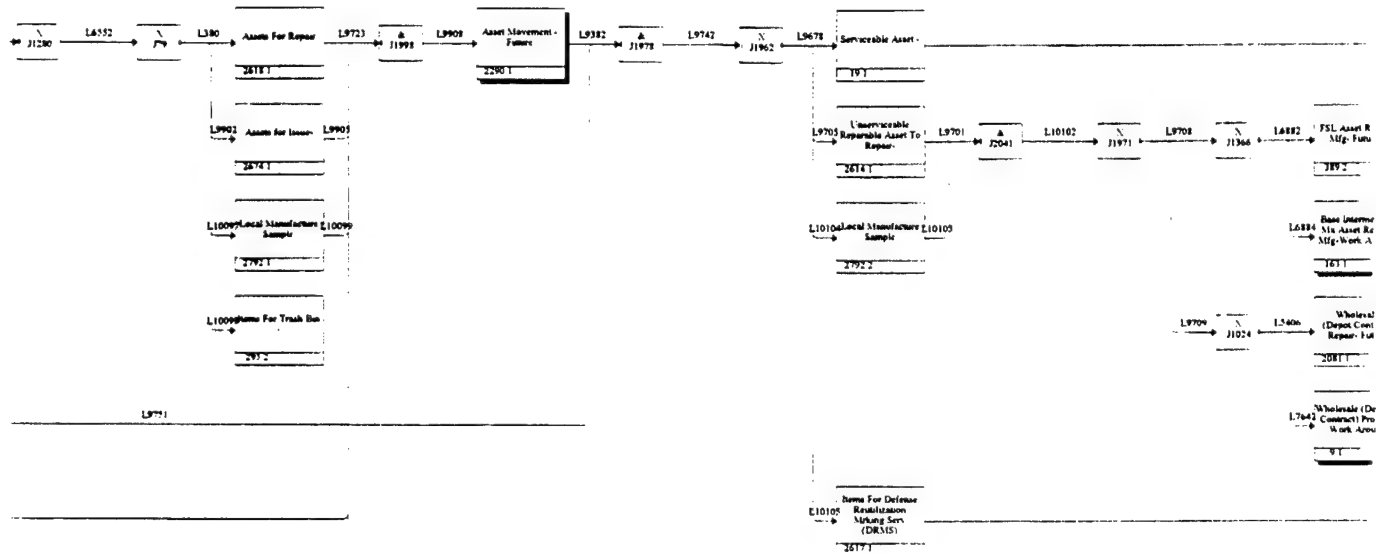
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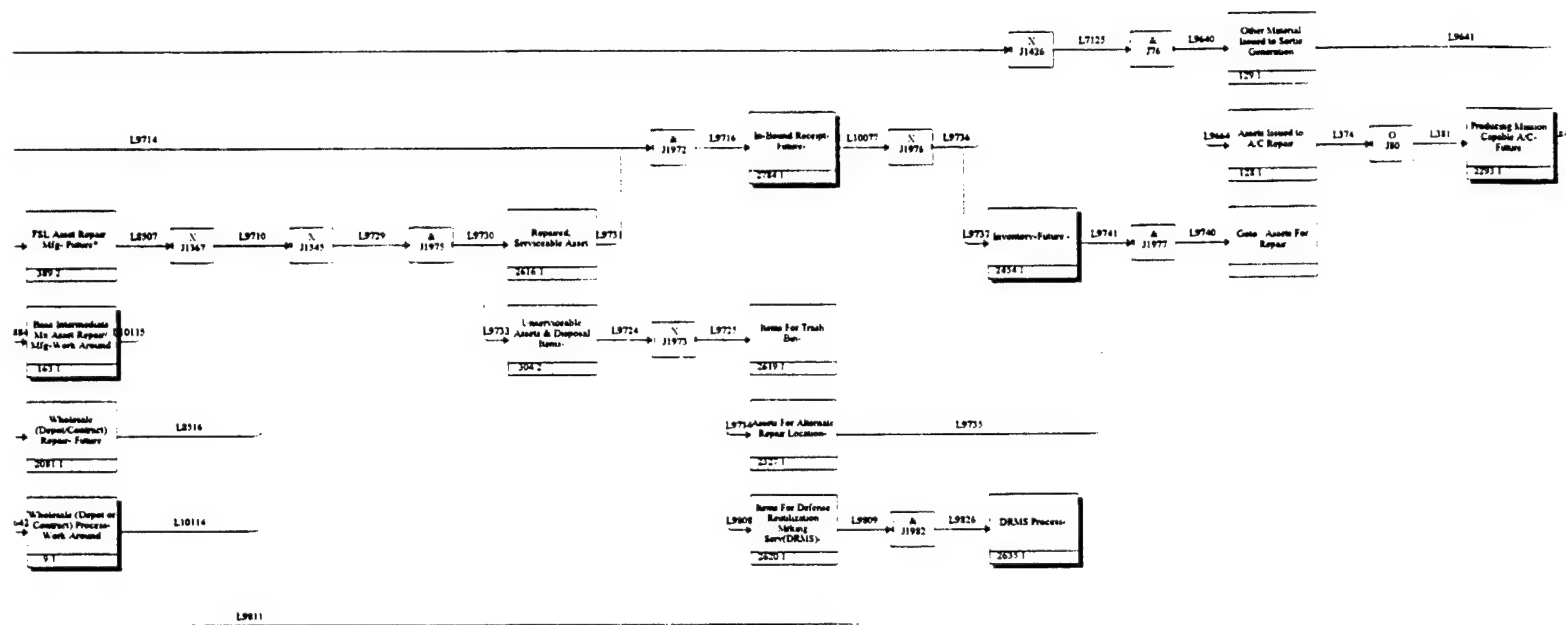
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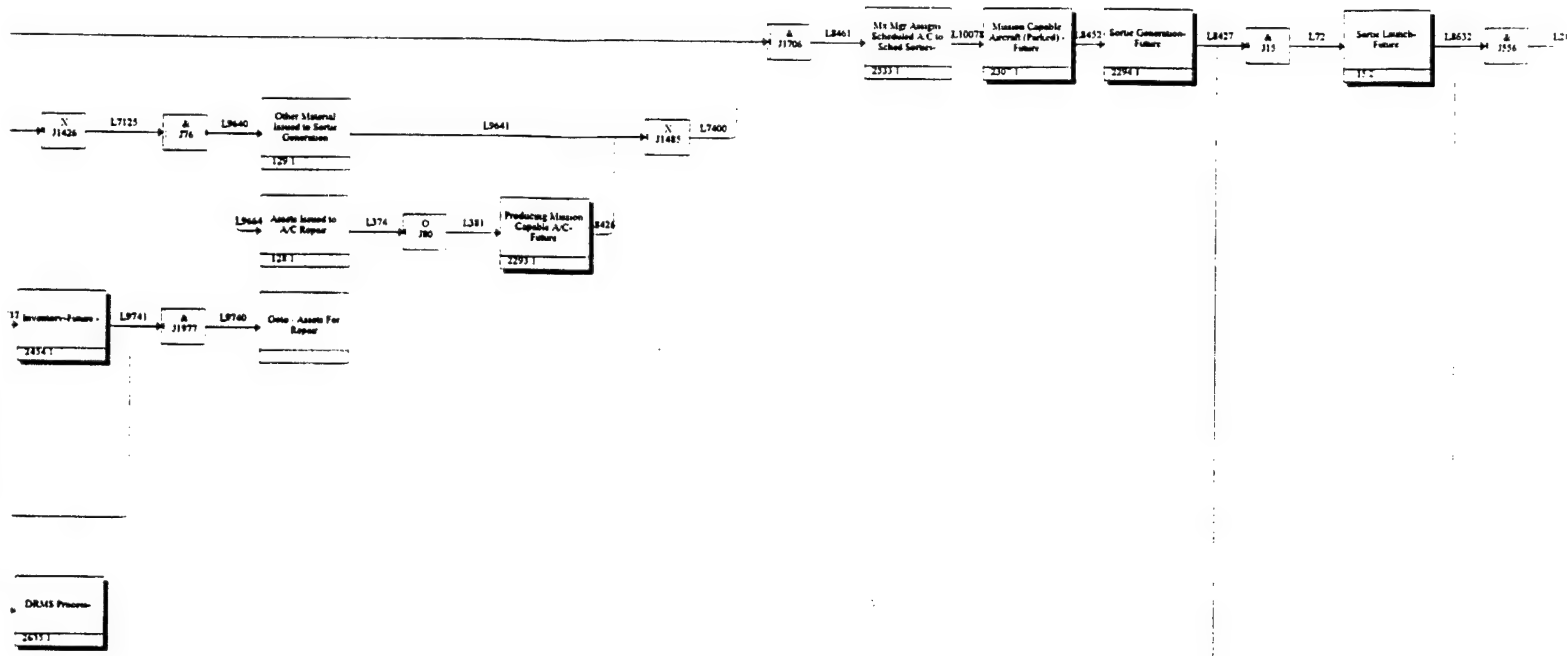


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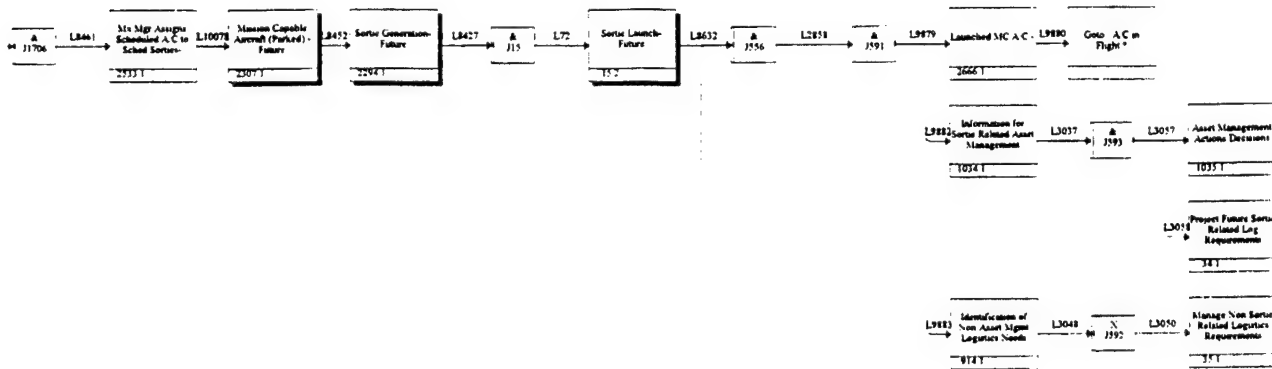


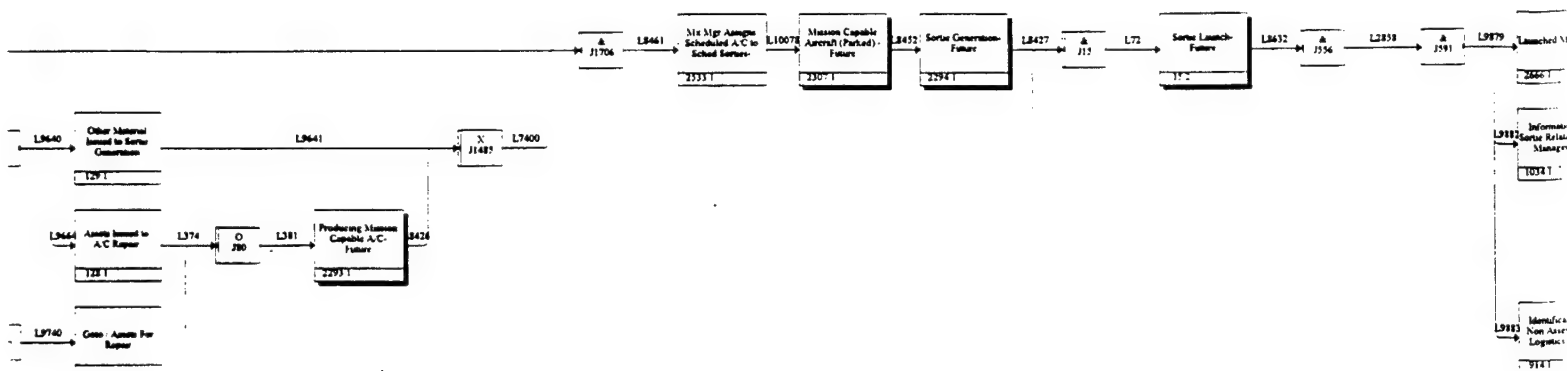
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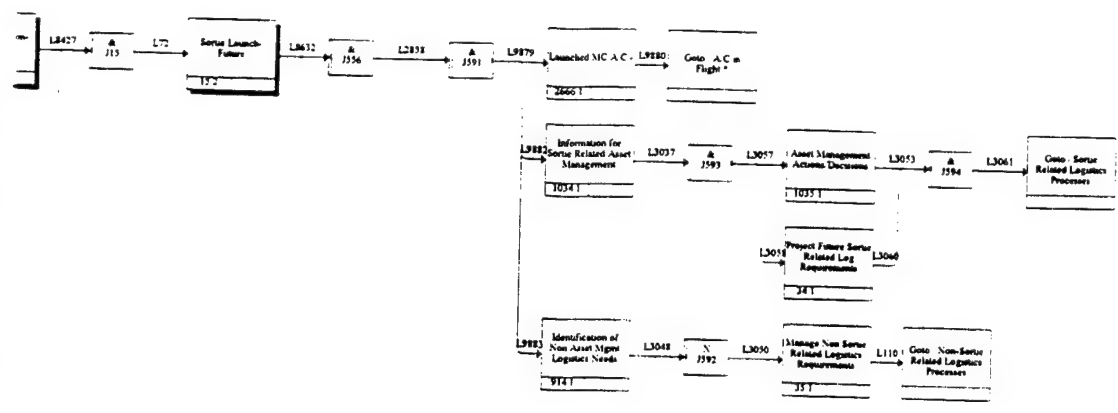
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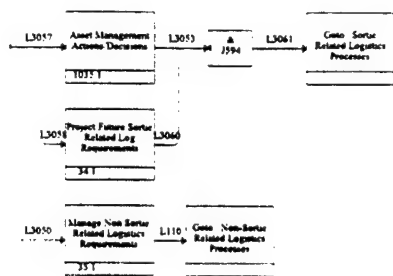


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Process Flow Decomp: In-Bound Receipt- Future-

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7897.1 In-Check Container @

7898.1 In-Check Asset @

7899.1 SSSS Search for Existing Asset Due-Out @

7900.1 X 11/99

7901.1 Due Out Exist @

7902.1 SSSS Tech Review Due Out Priority @

7903.1 SSSS Generate A Due Out Release (DDI144-1) @

7904.1 Tech Issue Due-Out Release @

7905.1 Serviceable Asset For Issue @

7906.1 Due: Serviceable Asset (15) @

7907.1 In-Check Container @

7908.1 In-Check Asset @

7909.1 SSSS Generate * Notice To Stock (005) Lat @

7910.1 Attach The Notice To Stock Label To The Asset @

7911.1 Tech Move Asset To Storage Location @

7912.1 Tech Stock Asset In Warehouse @

7913.1 Due: Inventory (0464) @

Node:	Title: In-Bound Receipt- Future-
Number: Pg 15	

Process Flow Decomp: Evaluate Post Flight Data

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
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	Notes: 1 2 3 4 5 6 7 8 9 10	Time: 09:58:19	<input type="checkbox"/> Recommended			
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graph TD
    A[Post Flight Data  
L9824  
26421] --> B[Transmit Flight Data to Central Database  
L9824  
26421]
    B --> C[Compare Specific Data to Trend Line  
L9825  
26421]
    C --> D[Constant Trend  
L9826  
26421]
    D --> E[Weapon Status Reported Update  
L9846  
26521]
    E --> F[Data Storage  
L9841  
26511]
    F -- L9827 --> C
    D --> G[Trend Determining  
L9825  
26421]
    G --> H[RCM Analysis  
L9842  
26521]
  
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Node:	Title: Evaluate Post Flight Data	Number: Pg 17
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Process Flow Decomp: DRMS Process-

[illegible]

Process Flow Decomp: Inventory-Future

Process Flow Decomp: Evaluate Troubleshooting Data-

Used At:
Not Approved for Public
Release

Author: AFLMA Reengineering Team
Project: Future To Be-Asset Sustainment Pro
Notes: 1 2 3 4 5 6 7 8 9 10

Date: 10/29/98
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Evaluate Troubleshooting Data -
2003.I

L8803

Determine Parts
Requirements -
2010.I

L8804

X
J1780

L8805

Part is Not Required -
2006.I

L8810

J1783

L8811

Determine Who will
Repair -
2008.I

L8814

Transmit Repair
Completion and Success
Activities -
2013.I

Part is Required -
2007.I

L8809

J1782

L8813

Requisition Part -
2012.I

Node:

Title: Evaluate Troubleshooting Data-

Number: Pg 23

Process Flow Decomp: Sortie Recovery- Future -

Used At: Not Approved for Public Release		Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Date: 10/28/98 Rev: 1 Time: 09:58:53 Notes: 1 2 3 4 5 6 7 8 9 10		Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication		Reader 		DATE 		Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.	
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The flowchart details the operational sequence for an aircraft (A/C) landing and subsequent recovery team deployment. Key steps include: A/C Landing (L8091), SCC Notify (L8092), SCC Notify Recovery Team of A/C Arrival (L8137), SCC Notify Recovery Team of A/C (L8083), EOR Team (L8720), EOR Team Dispatches to EOR (L8722), Recovery Crew Dispatches to Pending Location (L8721), A/C Tied to Pending Location (L8716), and various Recovery Team actions (L8714, L8715, L8716, L8717, L8718, L8719, L8720, L8721, L8722, L8723, L8724, L8725, L8726, L8727, L8728, L8729, L8730, L8731, L8732, L8733, L8734, L8735, L8736, L8737, L8738, L8739, L8740, L8741, L8742, L8743, L8744, L8745, L8746, L8747, L8748, L8749, L8750, L8751, L8752, L8753, L8754, L8755, L8756, L8757, L8758, L8759, L8760, L8761, L8762, L8763, L8764, L8765, L8766, L8767, L8768, L8769, L8770, L8771, L8772, L8773, L8774, L8775, L8776, L8777, L8778, L8779, L8780, L8781, L8782, L8783, L8784, L8785, L8786, L8787, L8788, L8789, L8790, L8791, L8792, L8793, L8794, L8795, L8796, L8797, L8798, L8799, L8800, L8801, L8802, L8803, L8804, L8805, L8806, L8807, L8808, L8809, L8810, L8811, L8812, L8813, L8814, L8815, L8816, L8817, L8818, L8819, L8820, L8821, L8822, L8823, L8824, L8825, L8826, L8827, L8828, L8829, L8830, L8831, L8832, L8833, L8834, L8835, L8836, L8837, L8838, L8839, L8840, L8841, L8842, L8843, L8844, L8845, L8846, L8847, L8848, L8849, L8850, L8851, L8852, L8853, L8854, L8855, L8856, L8857, L8858, L8859, L8860, L8861, L8862, L8863, L8864, L8865, L8866, L8867, L8868, L8869, L8870, L8871, L8872, L8873, L8874, L8875, L8876, L8877, L8878, L8879, L8880, L8881, L8882, L8883, L8884, L8885, L8886, L8887, L8888, L8889, L8890, L8891, L8892, L8893, L8894, L8895, L8896, L8897, L8898, L8899, L8900, L8901, L8902, L8903, L8904, L8905, L8906, L8907, L8908, L8909, L8910, L8911, L8912, L8913, L8914, L8915, L8916, L8917, L8918, L8919, L8920, L8921, L8922, L8923, L8924, L8925, L8926, L8927, L8928, L8929, L8930, L8931, L8932, L8933, L8934, L8935, L8936, L8937, L8938, L8939, L8940, L8941, L8942, L8943, L8944, L8945, L8946, L8947, L8948, L8949, L8950, L8951, L8952, L8953, L8954, L8955, L8956, L8957, L8958, L8959, L8960, L8961, L8962, L8963, L8964, L8965, L8966, L8967, L8968, L8969, L8970, L8971, L8972, L8973, L8974, L8975, L8976, L8977, L8978, L8979, L8980, L8981, L8982, L8983, L8984, L8985, L8986, L8987, L8988, L8989, L8990, L8991, L8992, L8993, L8994, L8995, L8996, L8997, L8998, L8999, L9000).

Flowchart details the process of A/C Landing, SCC Notify, EOR Team, and Recovery Team actions. Key steps include: A/C Landing (L8091), SCC Notify (L8092), SCC Notify Recovery Team of A/C Arrival (L8137), SCC Notify Recovery Team of A/C (L8083), EOR Team (L8720), EOR Team Dispatches to EOR (L8722), Recovery Crew Dispatches to Pending Location (L8721), A/C Tied to Pending Location (L8716), and various Recovery Team actions (L8714, L8715, L8716, L8717, L8718, L8719, L8720, L8721, L8722, L8723, L8724, L8725, L8726, L8727, L8728, L8729, L8730, L8731, L8732, L8733, L8734, L8735, L8736, L8737, L8738, L8739, L8740, L8741, L8742, L8743, L8744, L8745, L8746, L8747, L8748, L8749, L8750, L8751, L8752, L8753, L8754, L8755, L8756, L8757, L8758, L8759, L8760, L8761, L8762, L8763, L8764, L8765, L8766, L8767, L8768, L8769, L8770, L8771, L8772, L8773, L8774, L8775, L8776, L8777, L8778, L8779, L8780, L8781, L8782, L8783, L8784, L8785, L8786, L8787, L8788, L8789, L8790, L8791, L8792, L8793, L8794, L8795, L8796, L8797, L8798, L8799, L8800, L8801, L8802, L8803, L8804, L8805, L8806, L8807, L8808, L8809, L8810, L8811, L8812, L8813, L8814, L8815, L8816, L8817, L8818, L8819, L8820, L8821, L8822, L8823, L8824, L8825, L8826, L8827, L8828, L8829, L8830, L8831, L8832, L8833, L8834, L8835, L8836, L8837, L8838, L8839, L8840, L8841, L8842, L8843, L8844, L8845, L8846, L8847, L8848, L8849, L8850, L8851, L8852, L8853, L8854, L8855, L8856, L8857, L8858, L8859, L8860, L8861, L8862, L8863, L8864, L8865, L8866, L8867, L8868, L8869, L8870, L8871, L8872, L8873, L8874, L8875, L8876, L8877, L8878, L8879, L8880, L8881, L8882, L8883, L8884, L8885, L8886, L8887, L8888, L8889, L8890, L8891, L8892, L8893, L8894, L8895, L8896, L8897, L8898, L8899, L8900).

Process Flow Decomp: Sortie Flown Exceeds (OBMS) Component Parameters

Used At: Not Approved for Public Release	Author: Project: Notes:	AFLMA Reengineering Team Future To Be- Asset Sustainment Pro 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Rev: 1 Time: 09:59:07	<table><tr><td><input checked="" type="checkbox"/></td><td>Working</td><td>READER</td><td>DATE</td></tr><tr><td><input checked="" type="checkbox"/></td><td>Draft</td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>Recommended</td><td></td><td></td></tr><tr><td><input type="checkbox"/></td><td>Publication</td><td></td><td></td></tr></table>	<input checked="" type="checkbox"/>	Working	READER	DATE	<input checked="" type="checkbox"/>	Draft			<input type="checkbox"/>	Recommended			<input type="checkbox"/>	Publication			Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<input checked="" type="checkbox"/>	Working	READER	DATE																		
<input checked="" type="checkbox"/>	Draft																				
<input type="checkbox"/>	Recommended																				
<input type="checkbox"/>	Publication																				
<div><div>OBMS Records As of 10/29/98 Exceeded For Parameters 2378.1</div><div>OBMS Transmits In-flight Failure Data to Satellite 2395.1</div><div>OBMS Transmits Failure Data to Central Data Sys 2380.1</div><div>Alconne Conducts Inspection/Trouble Shooting 2337.1</div><div>Alconne Reports Failure Data 2384.1</div></div>																					
Node:				Title: Sortie Flown Exceeds (OBMS) Component Parameters	Number: Pg 28																

Process Flow Decomp: A/C To Be Launched to Repair Site*-

Used At: Not Approved for Public Release	Author: Project: Notes:	AFLMA Reengineering Team Future To Be-Asset Sustainment Pro Rev: 1 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Rev: 1 Time: 10:01:42	Working x Draft Recommended Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<div>Ms Mgr Receives Notification to Prepare A/C 2323.1</div>							
Node:		Title: A/C To Be Launched to Repair Site*			Number: Pg 30		

Process Flow Decomp: Mission Capable Aircraft (Parked) - Future

Process Flow Decomp: Sortie Generation- Future

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Rev: 1 Time: 10:17:21	<div><div><input checked="" type="checkbox"/> Working</div><div><input type="checkbox"/> Draft</div><div><input type="checkbox"/> Recommended</div><div><input type="checkbox"/> Publication</div></div>	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<div><div>Asset Sustainment Management Sys (1125)</div><div>2.1</div></div>						
Node:		Title: Sortie Generation- Future		Number: Pg 35		

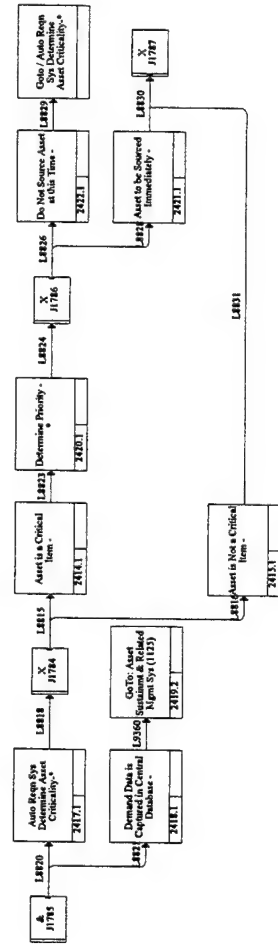
Process Flow Decomp: Producing Mission Capable A/C- Future

Process Flow Decomp: Issue Process - Future*

Used At: Not Approved for Public Release	Author: Project: Notes:	AFLMA Reengineering Team Future To Be- Asset Sustainment Pro 1 2 3 4 5 6 7 8 9 10	Date: 10/28/98 Rev: 1 Time: 15:18:03	<input checked="" type="checkbox"/> Working <input type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context
<div><div>Notice to Issue Asset - 2400.1</div><div>Local Inv Mgmt System Identifies Asset Location - 2404.1</div><div>Let Inv Sys. Remove Asset to Remove Asset - 2406.1</div><div>Technician Removes Asset from Inventory - 2407.1</div><div>Tech Scans Asset & Updates Let Inv System - 2408.1</div></div>							
Node:	Title: Issue Process - Future*			Number: Pg 40			

Process Flow Decomp: Asset Movement - Future

Process Flow Decomp: Issue Request & Reqn Processing- Future -



Process Flow Decomp: Asset Removal- Future-

Used At: Not Approved for Public Release	Author: AFIMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Rev: 1 Notes: 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Time: 10:03:44	Working x Draft Recommended Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<pre> graph TD Start([X J1580]) -- L9753 --> Mech[Mechanic Removes Asset Using PNA 2533.1] Start -- L9754 --> ACD[A/C Filter Bottle With Delayed Discrepancy 2524.1] Mech -- L9756 --> J1581{ } ACD -- L9755 --> Code[Code / J1580] J1581 -- L9757 --> Removed[Removed Asset 2533.1] J1581 -- L9758 --> Scan[Scan Asset 2534.1] Code -- L9759 --> Clear[Clear Removal With Code (Y/N) 2533.1] Scan -- L9764 --> Notice[Automatic Notice of Asset Removal 2527.1] Clear -- L9766 --> Config[Automatic Update to A/C Configuration 2528.1] Notice -- L9764 --> Status[Automatic Update to A/C Status 2529.1] Config -- L9762 --> Update[Automatic Update Item Record 2573.1] Status -- L9900 --> Inventory[Automatic Update to Inventory 2530.1] Update -- L9763 --> Maint[Clear Asset Status & Initiate Maint Sys (112) 2511.1] </pre>						

Process Flow Decomp: Identify Failure- Future

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context
Project: Future To Be-Asset Sustainment Pro	Rev: 1		X			Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Notes: 1 2 3 4 5 6 7 8 9 10		Time: 10:00:09	Draft			
			Recommended			
			Publication			

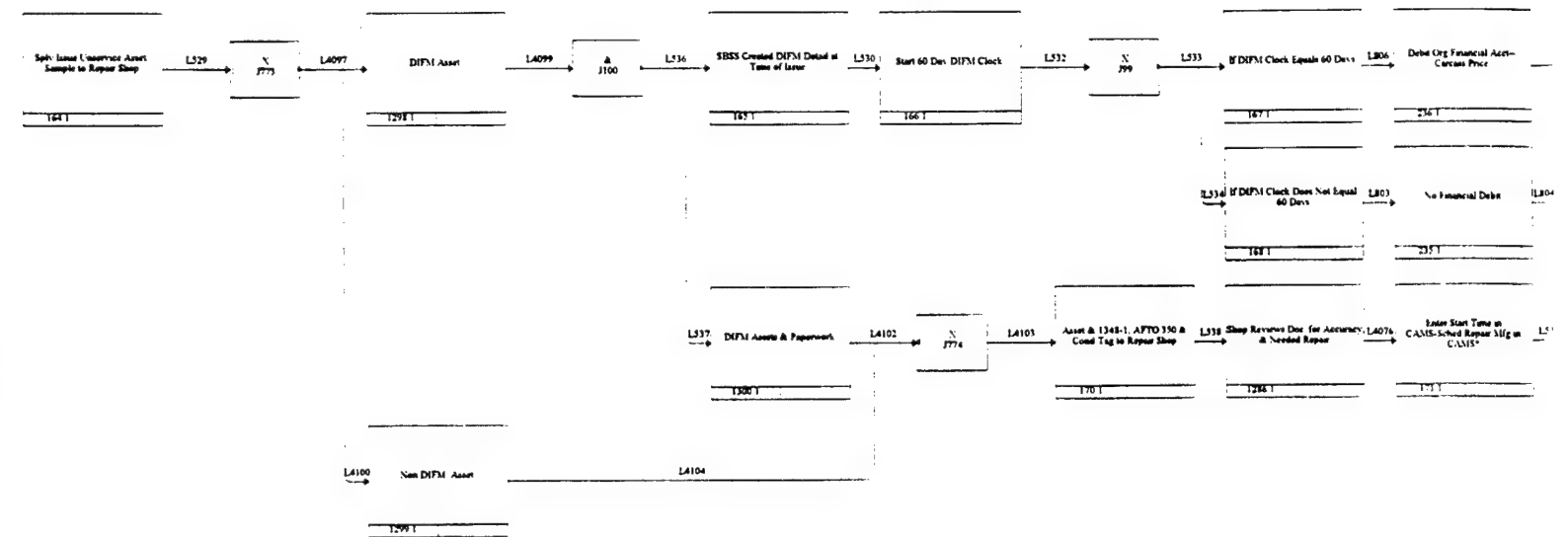
Process Flow Decomp: Non-Air Force Inventory

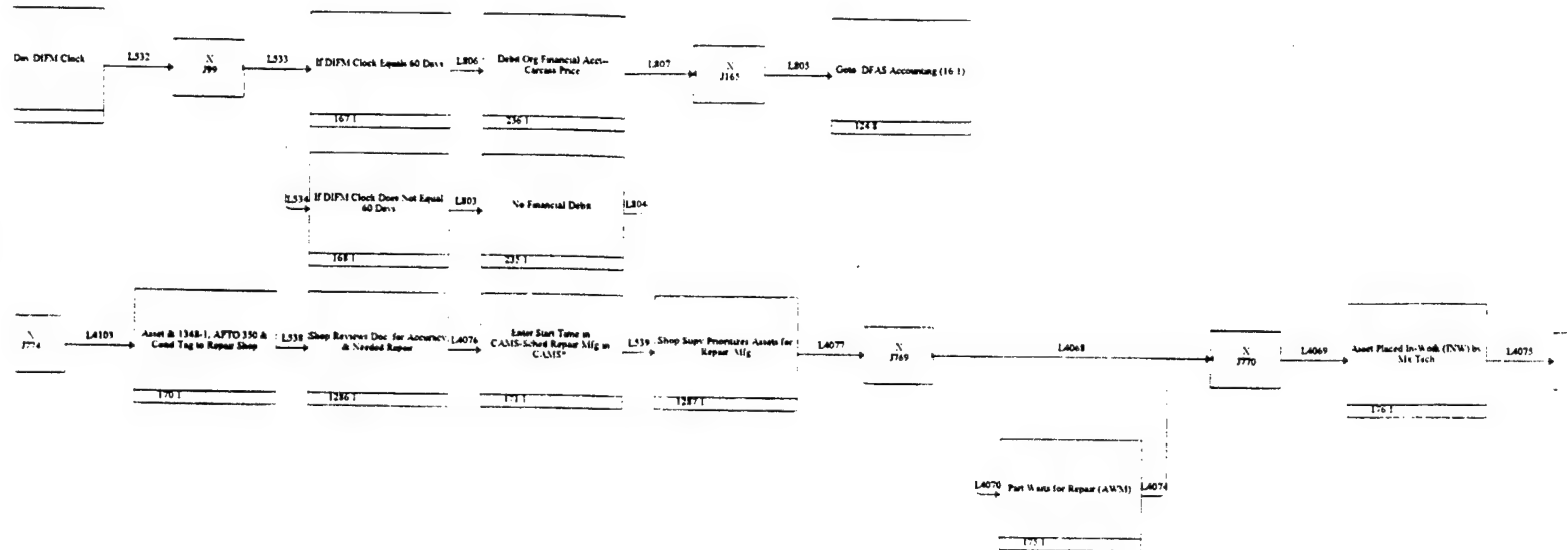
Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context
Project: Future To Be- Asset Sustainment Pro	Rev: 1		<input checked="" type="checkbox"/> Draft			Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:02:15		<input type="checkbox"/> Recommended			
			<input type="checkbox"/> Publication			
<div>Regulation Transmitted to DAAS *</div>						
Node:	Title:	Non-Air Force Inventory	Number:		Pg 51	

Process Flow Decomp: Base Intermediate Mx Asset Repair/ Mfg-Work Around

Project: Future To Be- Asset Sustainment Process; Date: 10/29/98

t Repair/ Mfg-Work Around





READER

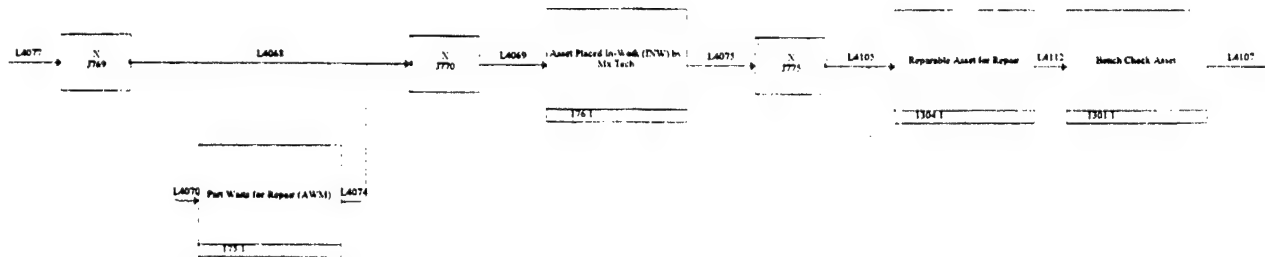
DATE

Context

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Go to DFAS Accounting (16 1)

1200



LA108 Local Manufacture Sample LA110 Analyze Sample LA113 Research Tech D
13011 13021 13061

Publication

2

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DATE

Context

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L809

L823

N 3172

L832

Backshop R

L821 Shop Tech Orders Replacement Parts

L827 Mx Tech Awaits Asset Availability Info from Supph

L844

N 3171

L828

Replacement Parts Available from Base Supph

L830

Awaiting Parts from Base Supph

L831

Receive Parts from Base Supph

L833

182.1

235.1

246.1

249.1

248.1

L829 Replacement Parts Not Available from Base Supph

L834

N 3786

L4164

Asset Can Not Be Temp Repaired

L4167

Shop Tech Puts Bad Asset in AWY Storage

L835

Awaiting Parts

247.1

L4165 Asset Can Be Temp Repaired w/o Parts

L4168

Mx Tech Performs Temporary Repair to Asset

L4169

Mx Tech Asset in C

1332.1

1334.1

1334.1

L4159 Repair Authorization Not Received

L4161

Backshop IDn Asset Unserviceable

L416

Backshop Closes ACN in CASIS

L415

Interm Mx Tech Completes Condition Tags

1330.1

242.1

239.2

346.1

L4162 Repair Authorization Received

L4163

Gate Base has Asset Repair Capability Authoriz

1331.1

N 3779

L4129

Manufacture Asset per Sample Tech Data

L4122

A 3780

Unserviceable Parts Parts Material SRI

L4138

1311.1

1320.1

from L4128 Receive Parts Material from Base Supph

L4130

1316.1

Internal L4132 Awaiting Parts Materials from Base Supph

L4133

Technician Receives All Parts Mat fr Base Supph

L4134

SBSS Updates CAMS from AWY to AWN

L4135

L4149 Asset Ops Check, Test, & Inspect (As Required)

L4146

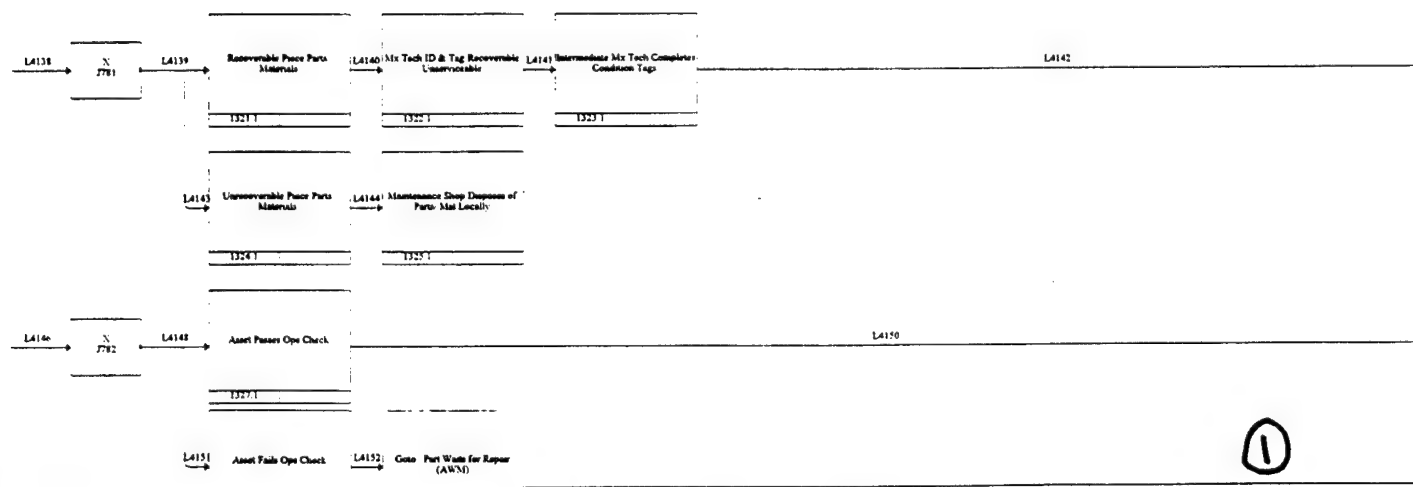
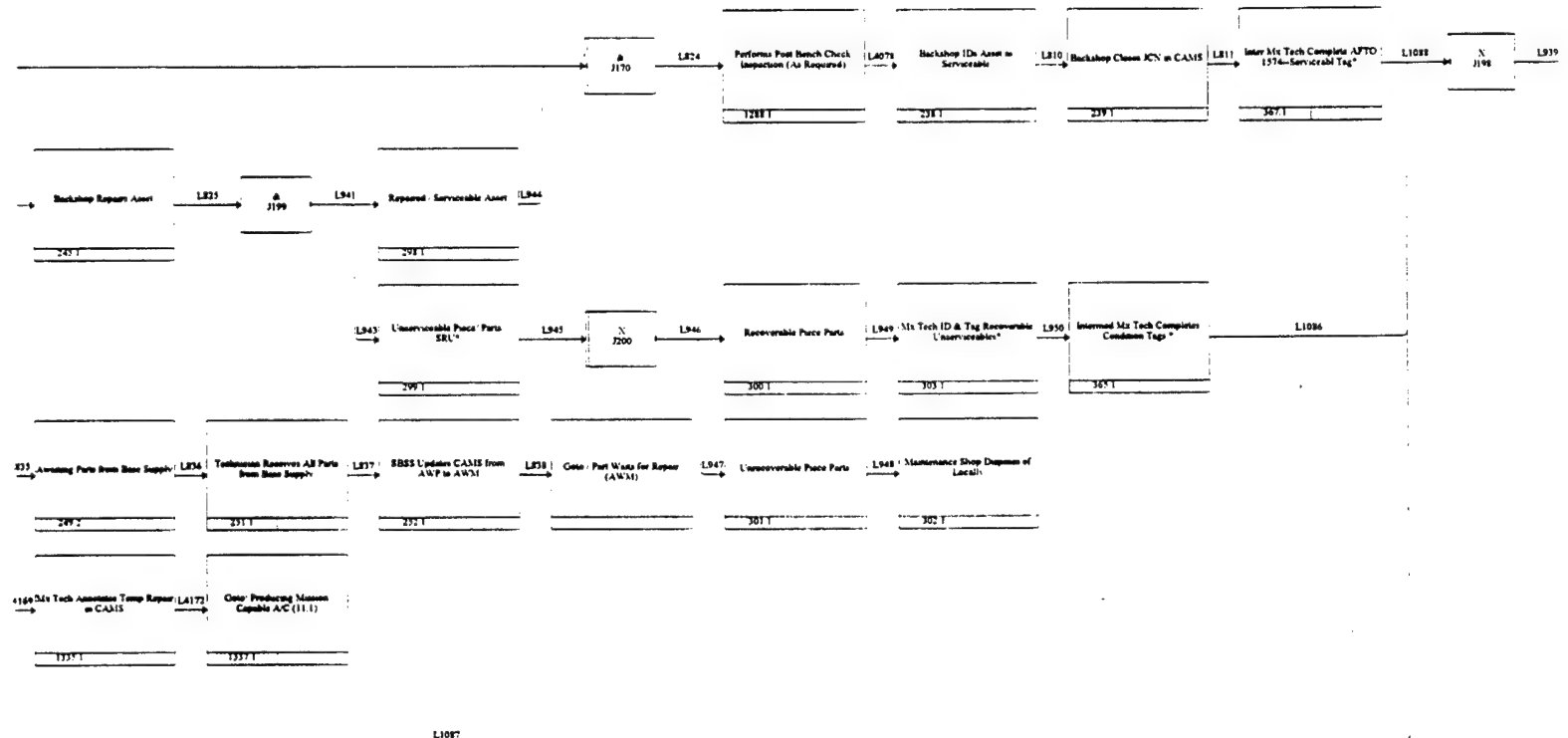
1318.1

1319.1

252.2

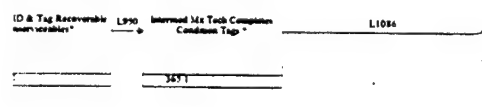
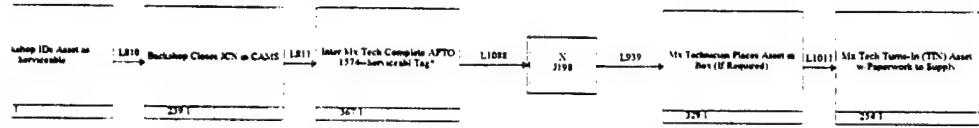
1326.1

3



①

Date: 10/29/98	Working	READER	DATE
Process Rev: 1	x Draft		
	Recommended		
Time: 10:06:57	Publication		



once Shop Disposes of Locality

READER

DATE

Context

ded

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Can Place Asset in (If Required) [L1011] Ma Tech Turn-In (TIN) Asset = Paperwork to Supply

2541

3

Process Flow Decomp: Fuel, Munitions, Engines, & Other Mission Equip

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/08	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Project: Future To Be- Asset Sustainment Pro	Rev: 1		x Draft			
Notes: 1 2 3 4 5 6 7 8 9 10		Time: 09:59:21	Recommended			
			Publication			

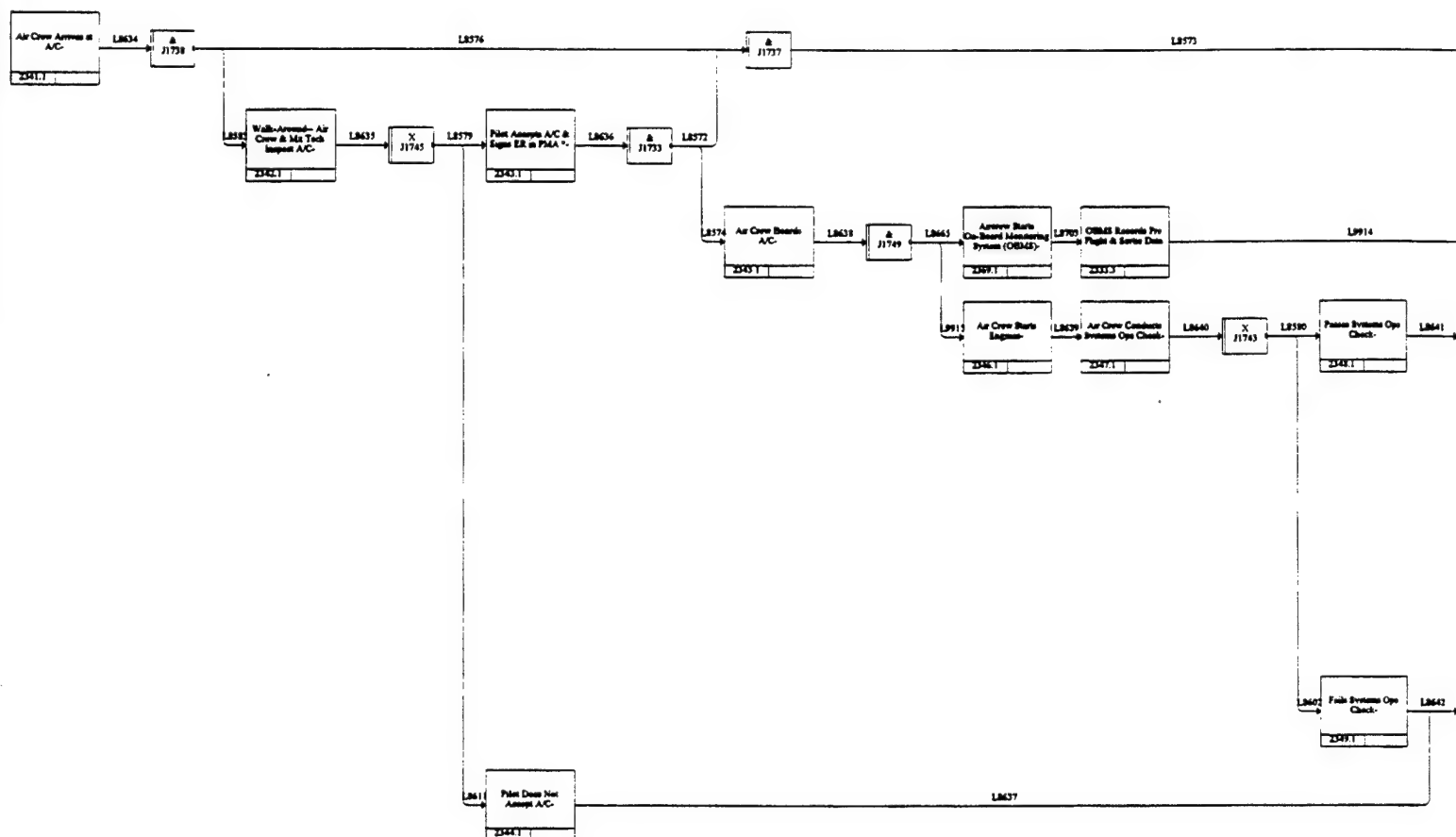
Node:	Title: Fuel, Munitions, Engines, & Other Mission Equip	Number: Pg 64
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Process Flow Decomp: Sortie Launch- Future



inch- Future

At:	Author:	AFLMA Reengineering Team	Date:	10/29/98		Work
ot Approved for Public Release	Project:	Future To Be- Asset Sustainment Process	Rev:	1	x	Draft
	Notes:	1 2 3 4 5 6 7 8 9 10	Time:	10:18:32		Recc
						Publi



Date: 10/29/98

nt Process Rev: 1

Time: 10:18:32

Working

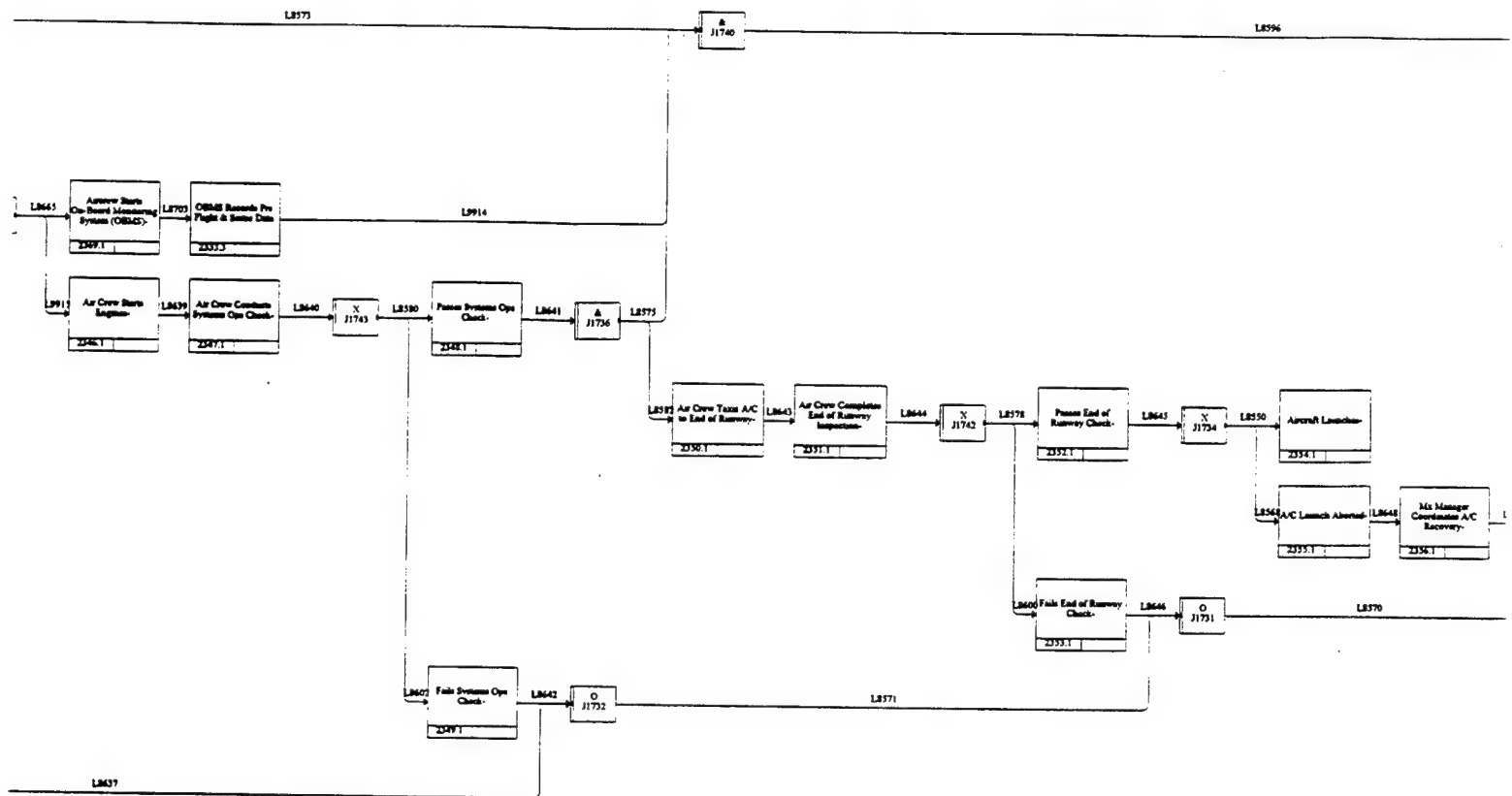
READER

DATE _____

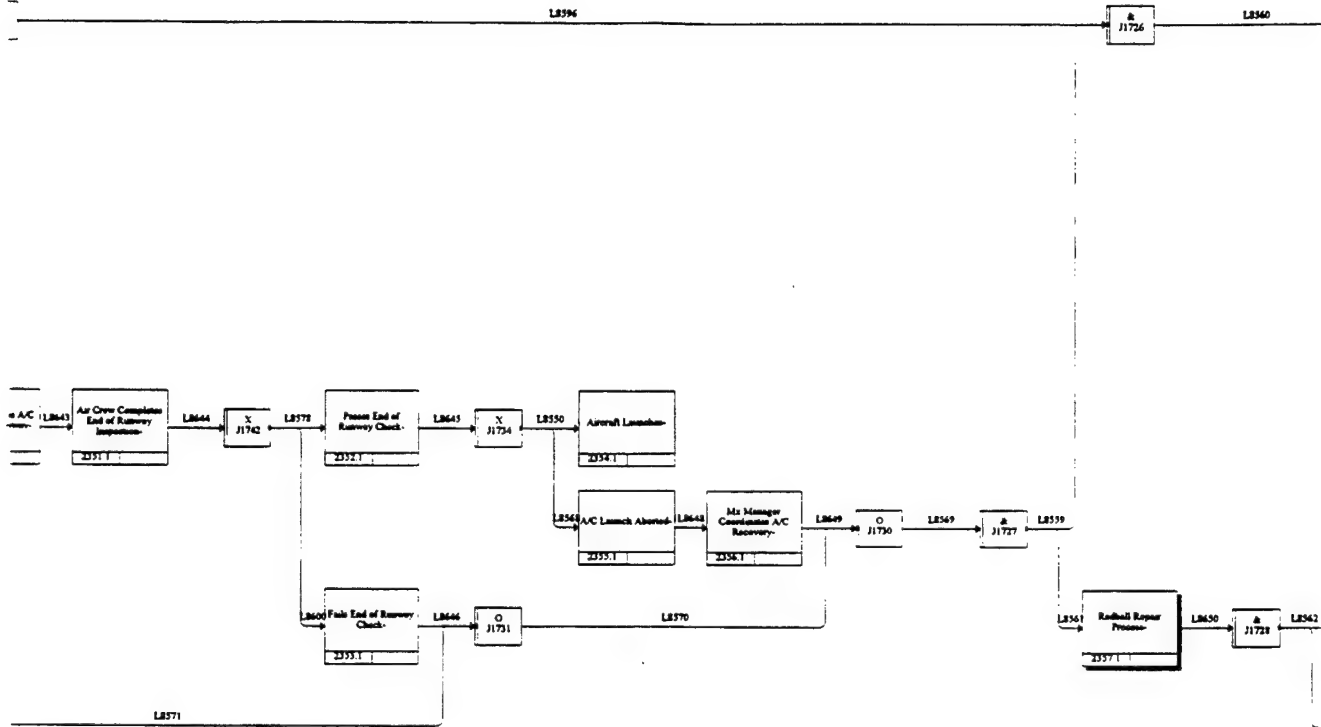
x	Draft
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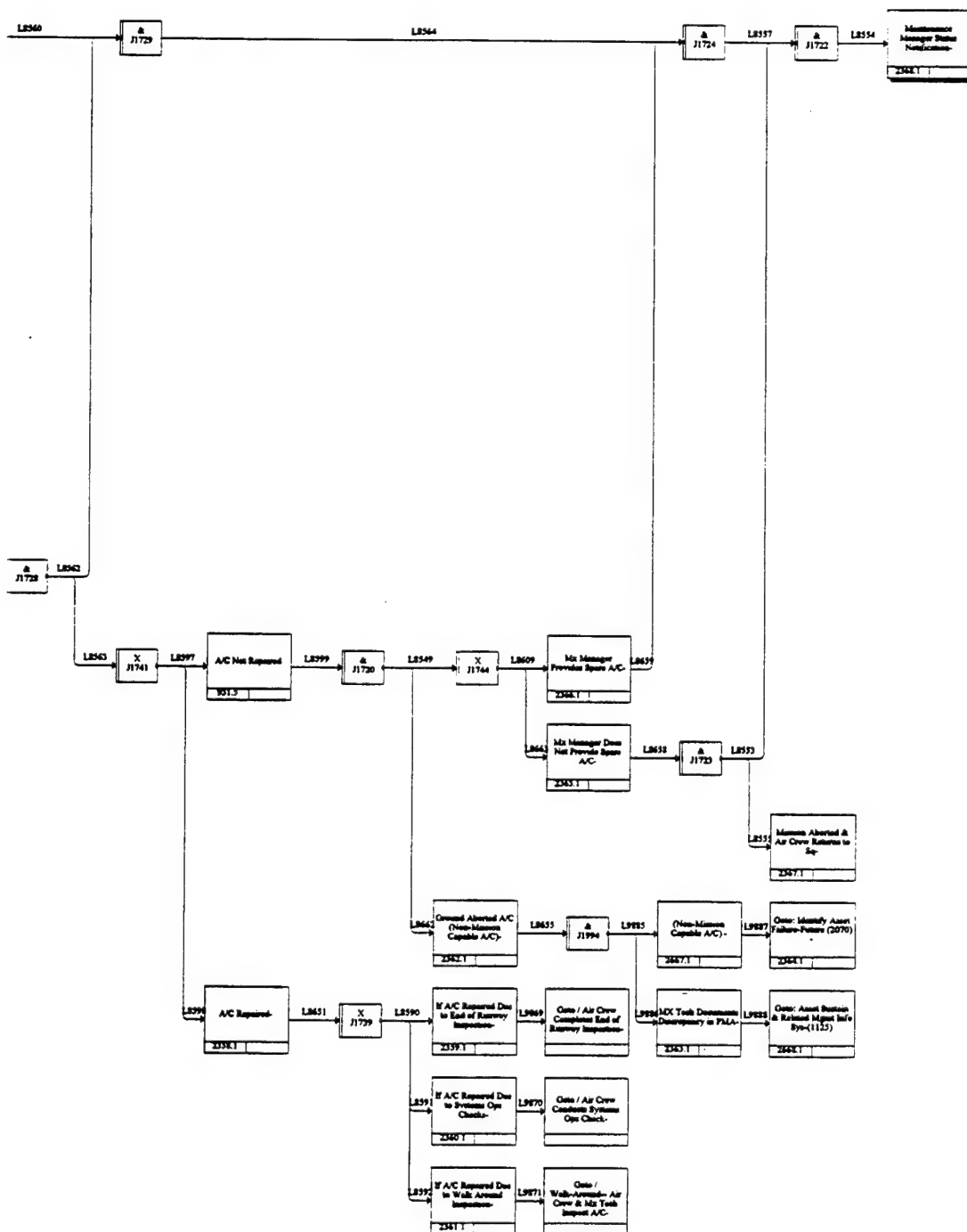
Recommended

Publication

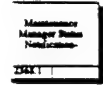


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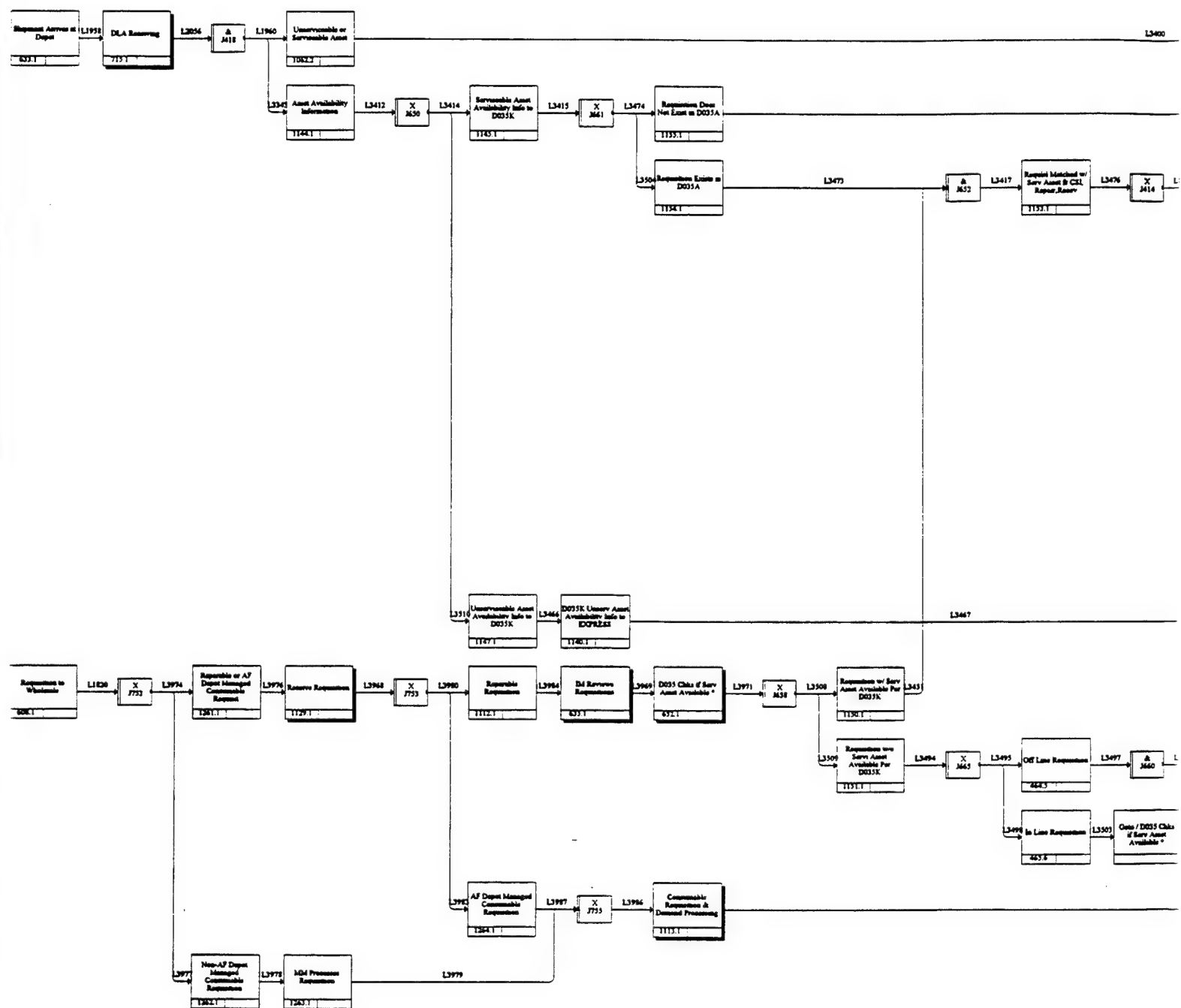
Date: 10/29/98		Working	READER	DATE
Process Rev: 1	x	Draft		
		Recommended		
Time: 10:18:32		Publication		



	READER	DATE	Context
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Process Flow Decomp: Wholesale (Depot or Contract) Process- Work Around

act) Process- Work Around

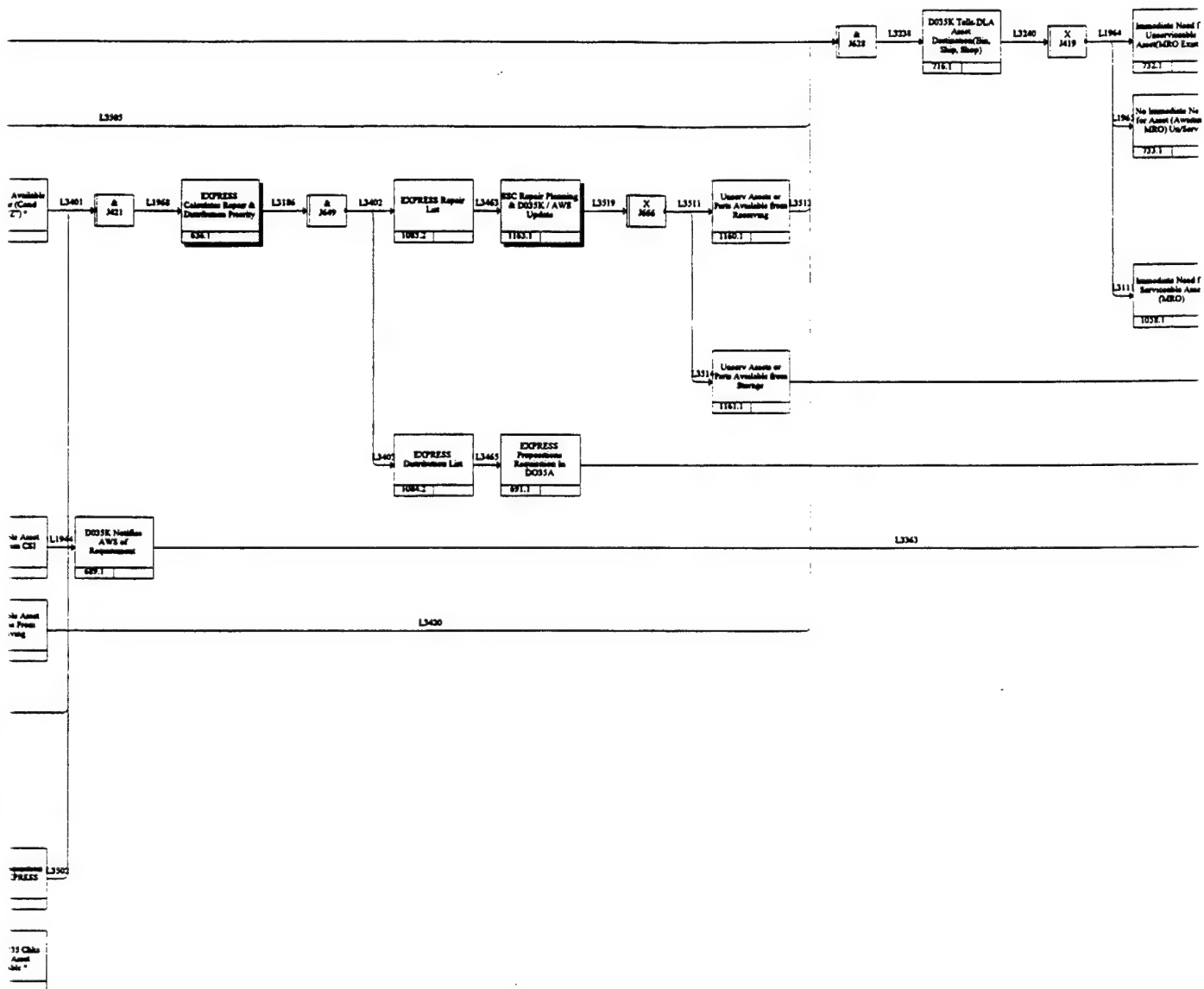


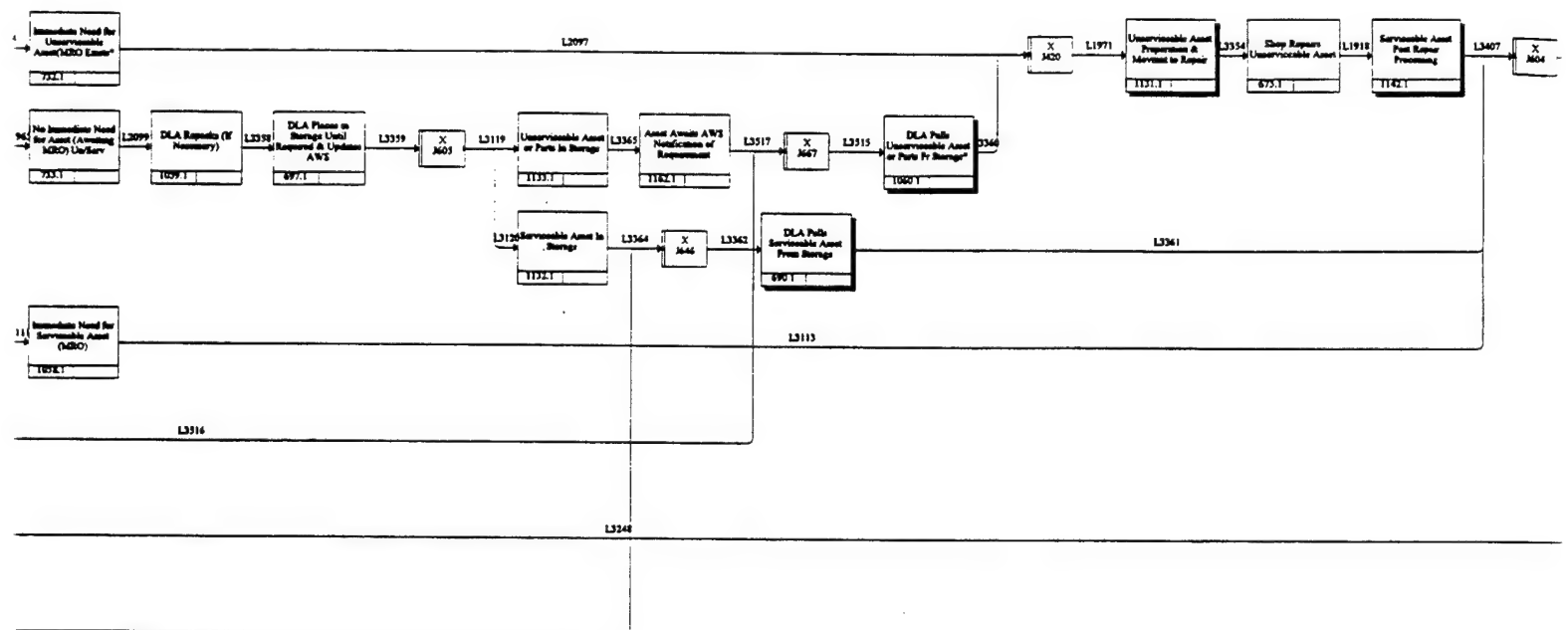
READER

DATE

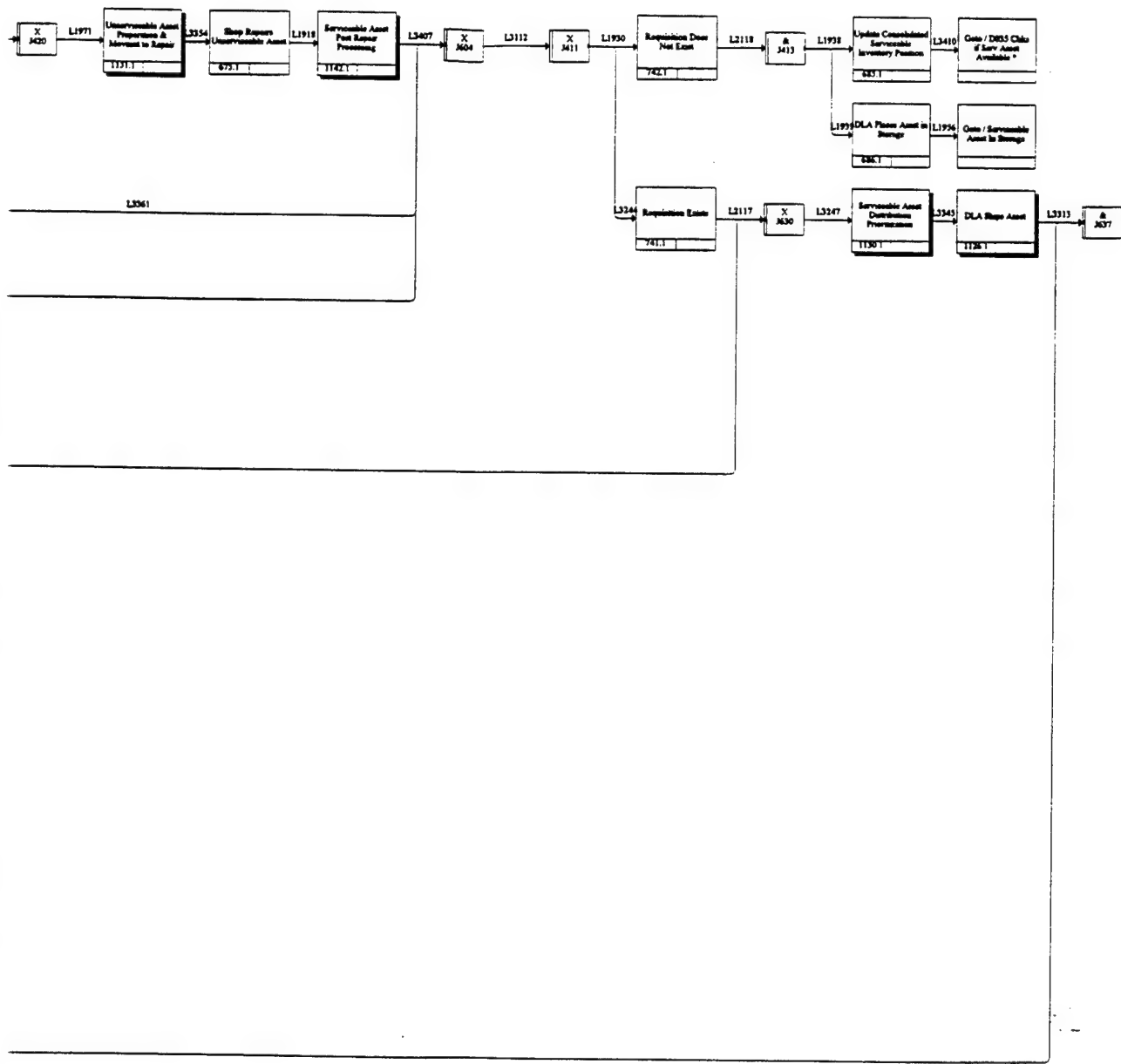
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Date: 10/29/98		Working	READER	DATE	N re of up
Process Rev: 1	X	Draft			
		Recommended			
Time: 10:07:24		Publication			

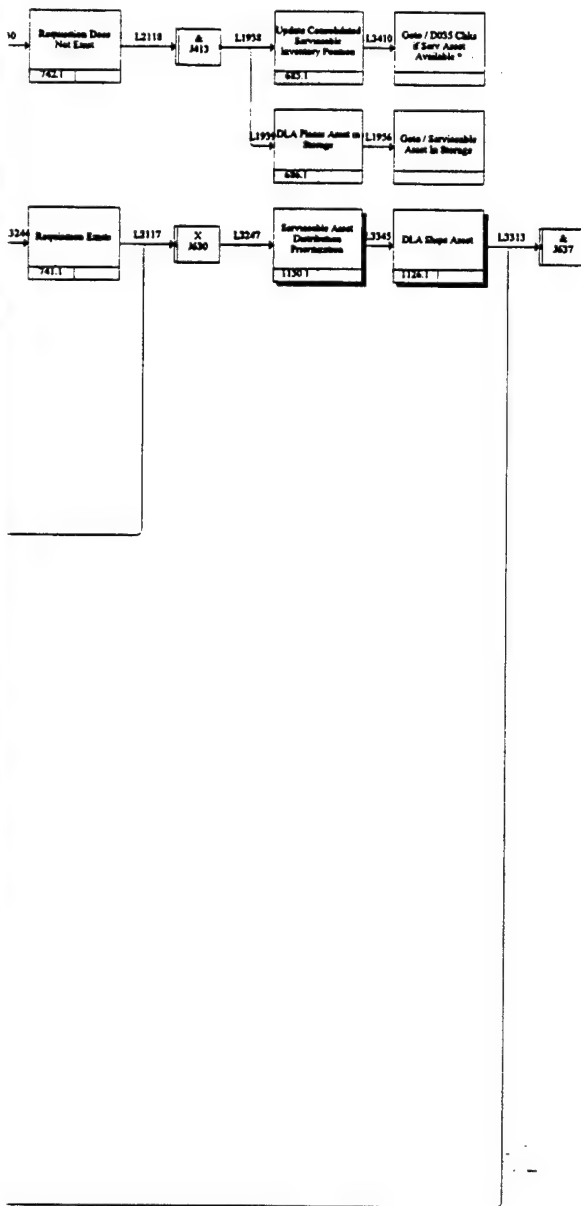


READER

DATE

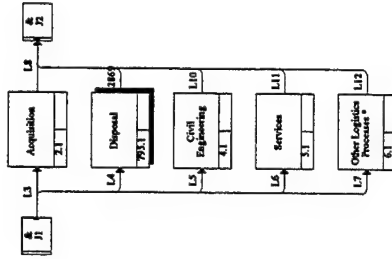
Context

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Process Flow Decomp: Non-Sortie Related Logistics Processes

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	Project: Future To Be-Asset Sustainment Pro	Rev: 1	X	Draft		
	Notes: 1 2 3 4 5 6 7 8 9 10	Time: 09:59:34		Recommended		
				Publication		



Process Flow Decomp: In-Check Asset @

Process Flow Decomp: In-Check Container @

Process Flow Decomp: RCM Analysis

Process Flow Decomp: Mx Tech Performs Pre-Flight Inspection -

Used At: Not Approved for Public Release		Author: AFLMA Reengineering Team Project: Future To Be-Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10		Date: 10/29/88 Rev: 1 Time: 10:18:00		Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication		Reader 		DATE 		Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.	
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```

graph TD
    A[Mx Tech Removes Pre-Flight Control - 2353.1] --> C[Mx Tech Services AC in Required - 2355.1]
    B[Mx Tech Inspects AC/AVM PMA Pre-Flight CLR - 2354.1] --> C
    C --> D[AC in Pre-Flight Complete - 2356.1]
    D --> E[Mx Tech Prepares Working Area/AOE for AC Launch - 2357.1]
    D --> F[PMA Updates L566 PMA Update AOE - 2357.1]
    E --> G[Mx Tech User PMA and Uploads Data to OBIT - 2358.1]
    F --> G
    G --> H[Data Asset - 2359.1]
      
```

Process Flow Decomp: Mx Mgr Directs Refuel of A/C -

Used At: Not Approved for Public Release		Author: AFLMA Reengineering Team		Date: 10/29/98	Working		READER		Context	
Project: Future To Be-Asset Sustainment Pro		Rev: 1			Draft				Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.	
Notes: 1 2 3 4 5 6 7 8 9 10		Time: 10:17:48			Recommended					
					Publication					

Mr Mgr Requests Fuel from SCC - 2582.1

SCC Coordinates Fuel Delivery - 2583.1

SCC Fuel Truck Arrives at AC - 2584.1

Fuel Truck Arrives at AC - 2585.1

Fuel Dispensed - 2586.1

Mr Tech Scans Asset Fuel - 2587.1

Asset Fuel Scanned - 2588.1

Asset Fuel Scanned - 2589.1

Asset Fuel Scanned - 2590.1

Asset Fuel Scanned - 2591.1

Asset Fuel Scanned - 2592.1

Asset Fuel Scanned - 2593.1

Asset Fuel Scanned - 2594.1

Asset Fuel Scanned - 2595.1

Asset Fuel Scanned - 2596.1

Asset Fuel Scanned - 2597.1

Asset Fuel Scanned - 2598.1

Asset Fuel Scanned - 2599.1

Asset Fuel Scanned - 2600.1

Asset Fuel Scanned - 2601.1

Asset Fuel Scanned - 2602.1

Asset Fuel Scanned - 2603.1

Asset Fuel Scanned - 2604.1

Asset Fuel Scanned - 2605.1

Asset Fuel Scanned - 2606.1

Asset Fuel Scanned - 2607.1

Asset Fuel Scanned - 2608.1

Asset Fuel Scanned - 2609.1

Asset Fuel Scanned - 2610.1

Asset Fuel Scanned - 2611.1

Asset Fuel Scanned - 2612.1

Asset Fuel Scanned - 2613.1

Asset Fuel Scanned - 2614.1

Asset Fuel Scanned - 2615.1

Asset Fuel Scanned - 2616.1

Asset Fuel Scanned - 2617.1

Asset Fuel Scanned - 2618.1

Asset Fuel Scanned - 2619.1

Asset Fuel Scanned - 2620.1

Process Flow Decom: Maintenance Manager Directs Configuration of A/C -

Used At: Not Approved for Public Release	Author: Project: Notes:	AFLMA Reengineering Team Future To Be- Asset Sustainment Pro Rev. 1 1 2 3 4 5 6 7 8 9 10	Date: 10/29/88 Rev: 1 Time: 10:17:32	Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<div>AC is Property Configured - 398.1</div> <div>Update all active files with TMA - 397.1</div> <div>Automatic Notification Sent to all Employees - 2398.1</div> <div>Other Asset to be Sustain & Related to Support - 2593.1</div>							
Node:				Title: Maintenance Manager Directs Configuration of AVC -		Number: Pg 84	

Process Flow Decomp: Technician Prepares Asset for Shipment*-

Used At: Not Approved for Public Release		Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10		Date: 10/29/98 Rev: 1 Time: 10:04:28	Working <input checked="" type="checkbox"/>	Reader <input type="checkbox"/>	DATE <input type="text"/>	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
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```

graph TD
    L9805["L9805  
Move Package to  
Package Area  
2145.1"] --> L9806["L9806  
Support/Track System  
Asset Bar Code  
2145.2"]
    L9806 --> L9807["L9807  
Package Available  
2145.3"]
    L9807 --> L9808["L9808  
System Available  
2145.4"]
    L9809["L9809  
Data System is  
Updated w/ Asset  
Location at Transfer  
2145.2"] --> L9806
    L9810["L9810  
System Available  
2145.3"] --> L9808
      
```

Node:	Title: Technician Prepares Asset for Shipment*	Number: Pg 97
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Process Flow Decomp: Goes to Wholesale (Depot or Contract) Processing

Used At: Not Approved for Public Release		Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10		Date: 10/29/98 Rev: 1 Time: 10:02:31		Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication		Reader 		DATE 		Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.	
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Node:		Title: Goes to Wholesale (Depot or Contract) Processing		Number: Pg 99	
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Process Flow Decomp: Maintenance Manager Status Notification-

Used AI: Not Approved for Public Release	Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Rev: 1 Notes: 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Time: 10:19:18	Working x Draft Recommended Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<pre> graph LR A[No Sig Views New Software on PMA L8899 23751] --> B[Auto Notification Sent to Network Desktop L8899 75891] B --> C[AC Crew Notified L8901 26761] C --> D[Electronic Change Sheet Update L8902 26713] D --> E[Local Server Relays Data to Central Database L8904 24532] E --> F[Order Asset Surt & Related Mgmt Info L8907 26721] </pre>						
Node:		Title: Maintenance Manager Status Notification-		Number: Pg 101		

Process Flow Decomp: Redball Repair Process-

Process Flow Decomp: SSC Repair Planning & D035K / AWS Update

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Rev: 1 Time: 10:10:38	Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<div>EXPRESS Overlay Roadway in D035K Expense Table 603.1</div> <div>SSC Road D035K Expense Table 671.1</div> <div>SSC Junc Repair Schedule 603.1</div> <div>SSC Orders Parts from Depot Supply 676.1</div> <div>D035K Modifies AWS of Concrete & Part Requirements 706.1</div>						
Node:	Title: SSC Repair Planning & D035K / AWS Update				Number: Pg 105	

Process Flow Decomp: IM Reviews Requisitions

Process Flow Decomp: Receive Requisition

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Project: Future To Be-Asset Sustainment Pro	Rev: 1		<input checked="" type="checkbox"/> Draft			
Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:08:06		<input type="checkbox"/> Recommended			
			<input type="checkbox"/> Publication			


```

graph TD
    A["2001A Receive Requisition for Data Field Maintenance  
7001"] --> B["L3315  
7286"]
    B --> C["In Line Requisition  
4053"]
    C --> D["L3337"]
    D --> E["L3318  
7215"]
    E --> F["2001B Receive Requisition for Data Field Maintenance  
8321"]
    B --> G["L3316  
7335"]
    G --> H["OFF Line Requisition  
4062"]
    G --> I["POS Customer Support Office Requisition Call  
5311"]
    I --> J["Tech Internally Requisition  
5314"]
    D --> K["L3346  
5346"]
    K --> J
  
```


Node:	Title: Receive Requisition	Number: Pg 109
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Process Flow Decomp: D035 Chks if Serv Asset Available

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/08	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
	Project: Future To Be- Asset Sustainment Pro	Rev: 1	X	Draft		
Notes: 1 2 3 4 5 6 7 8 9 10		Time: 10:09:07		Recommended		
				Publication		

Node:	Title: D035 Chks If Serv Asset Available	Number: Pg 111
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Process Flow Decomp: Serviceable Asset Post Repair Processing

Used At: Not Approved for Public Release		Author: Project: Notes:		AFLMA Reengineering Team Future To Be- Asset Sustainment Pro Rev: 1 1 2 3 4 5 6 7 8 9 10		Date: 10/29/88 Rev: 1 Time: 10:12:01		Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication		READER		DATE		Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.	
<div>Ship Delivered Serviceable Asset in SIC 758.1</div> <div>SIC Change Original Class to Z-Serviceable (DD3584) L-400 1072.1</div> <div>DLA Prepares Asset for Storage or Shipping 1127.1</div>															
Node:		Title: Serviceable Asset Post Repair Processing										Number: Pg 113			

Process Flow Decomp: DLA Pulls Unserviceable Asset or Parts Fr Storage

Process Flow Decomp: Unserviceable Asset Preparation & Movmnt to Repair

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team Project: Future To Be- Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10	Date: 10/29/98 Rev: 1 Time: 10:11:41	Working <input checked="" type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<div>DLA Depack Asset in the Asset Inventory (If Required) 715.1</div> <div>Post Asset & DD114C to Inventory 1057.1</div> <div>Asset Deliver to SSC Only (If Required) On-100y 105.1</div> <div>DLA/SSC Depack Asset (If Required) 715.1</div>						
Node:	Title: Unserviceable Asset Preparation & Movmnt to Repair				Number: Pg 117	

Process Flow Decomp: Serviceable Asset Distribution Prioritization

Used At: Not Approved for Public Release	Author:	AFLMA Reengineering Team	Date:	10/29/88	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
	Project:	Future To Be-Asset Sustainment Pro	Rev:	1				
	Notes:	1 2 3 4 5 6 7 8 9 10	Time:	10:12:29				
<div data-bbox="695 884 833 1234" data-label="Diagram"> <pre> graph TD J412 --> L3146 J412 --> L3150 L3146 --> ANP[Asset Not Prepositioned] L3146 --> SPUP[Ship Per USARPAC Priority] L3150 --> AP[Asset Prepositioned] L3150 --> SPEXP[Ship Per EXPRESS Priority] ANP --> J412 ANP --> J417 AP --> J412 AP --> J417 SPUP --> J412 SPUP --> J417 SPEXP --> J412 SPEXP --> J417 </pre> </div>								
Node:	Title: Serviceable Asset Distribution Prioritization						Number: Pg 119	

Process Flow Decomp: DLA Ships Asset

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context
Project: Future To Be- Asset Sustainment Pro	Rev: 1		<input checked="" type="checkbox"/> Draft			Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:12:45		<input type="checkbox"/> Recommended			
			<input type="checkbox"/> Publication			
<div><div>DLA Over-Pack Shipment (if Approved) L3146 745.1</div><div>DLA Disposition Log (Inventory & Updates) L3145 745.1</div><div>DLA Disposition Carrier L3145 745.1</div><div>DO318/T Overpack Shipment Label L3147 745.1</div><div>DLA Affairs Shipping Label L3147 745.1</div></div>						
Node:	Title: DLA Ships Asset	Number: Pg 121				

Process Flow Decomp: Consumable Requisition & Demand Processing

[illegible]

Process Flow Decomp: DLA Receiving

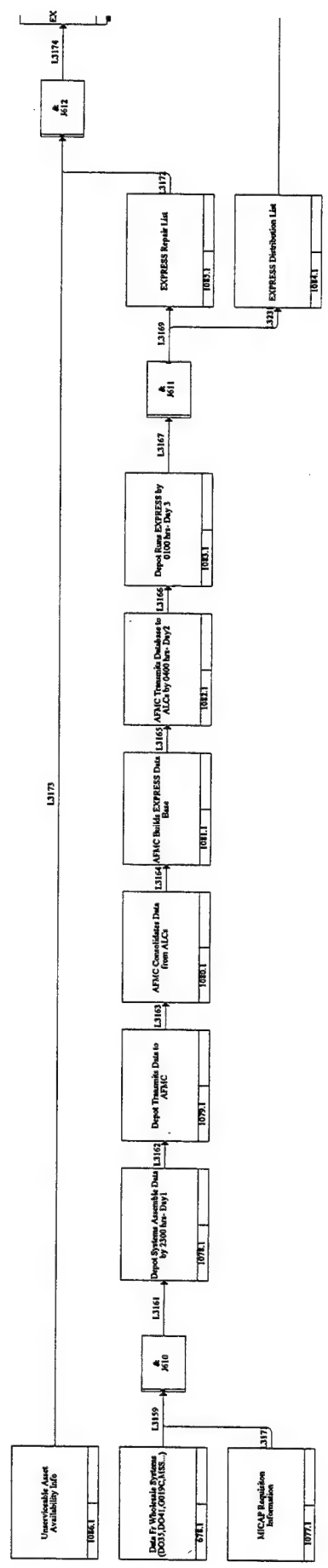
Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
	Project: Future To Be- Asset Sustainment Pro	Rev: 1	<input checked="" type="checkbox"/> Draft			
	Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:07:49	<input type="checkbox"/> Recommended			
			<input type="checkbox"/> Publication			


```

graph TD
    Start1[Shipment Arrives to Specified DLA Location  
723.1] --> L2083
    Start2[Multi-Pack  
723.1] --> L2084
    L2083 --> X413[X 413]
    L2084 --> L2084
    L2084 --> L2085[DLA Breaks Down Shipment  
725.1]
    L2085 --> L2087[X 413]
    L2087 --> L2089[X 413]
    L2089 --> L2091[X 414]
    L2091 --> L2094
    L2094 --> L2095
    L2095 --> L2096[DLA Receiving Team Receives Asset Paperwork  
721.1]
    L2096 --> L2097
    L2097 --> L2098[DLA Review Tech Requirements and Rebuilds Pack  
726.1]
    L2098 --> L2099[DDI 1348-1 Paperwork Okay  
728.1]
    L2098 --> L2100[DDI 1348-1 Paperwork Error  
729.1]
    L2098 --> L2101[DDI 1348-1 Paperwork Missing  
730.1]
    L2101 --> L2102[DDI 1348-1 Form  
730.1]
    L2101 --> L2103[DDI 1348-1 Not Forwarded  
730.1]
  
```


Process Flow Decomp: DLA Pulls Serviceable Asset From Storage

Process Flow Decomp: EXPRESS Calculates Repair & Distribution Priority



Used At:	Author:	Date:	Working	Reader	DATE	Context
Not Approved for Public Release	AFLMA Reengineering Team	10/29/88	X	Draft		Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
	Project: Future To Be-Asset Sustainment Pro Rev: 1			Recommended		
	Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:09:50		Publication		


```

graph TD
    L3174[EXPRESS Base Supportability Check] --> L3178[PM, SSC & Shop Review]
    L3178 --> L3228[Scheduled Read List]
    L3228 --> L3229[X #24]
  
```

The flowchart illustrates the process flow for the 'EXPRESS Base Supportability Check'. It starts with a box labeled 'EXPRESS Base Supportability Check' (L3174), which leads to a box labeled 'PM, SSC & Shop Review' (L3178). From there, it proceeds to a box labeled 'Scheduled Read List' (L3228), and finally to a box labeled 'X #24' (L3229).

Process Flow Decomp: Disposable

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 11/12/97	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
	Project: Future To Be-Asset Sustainment Pro	Rev: 1	Draft			
	Notes: 1 2 3 4 5 6 7 8 9 10	Time: 15:45:07	Recommended			
			x Publication			

```

graph TD
    A["X 1461"] -- L2363 --> B["Classified Asset 798.1"]
    B -- L2365 --> C["X 1462"]
    C -- L2368 --> D["Base Supply Process 797.1"]
    B -- L2364 --> E["14231AT 798.1"]
    E -- L2366 --> F["Previous Media 800.1"]
    
```

Node:	Title: Disposable	Number: Pg 133
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Process Flow Decomp: Tech Scans 1348 Requisition w/SATS @

Used At: Not Approved for Public Release	Author: Project: Notes:	Date: 5/13/98 Future To Be- Asset Sustainment Pro Rev: 1 1 2 3 4 5 6 7 8 9 10 Time: 08:25:10	x Working Draft Recommended Publication	READER 	DATE 	Context
	<div style="text-align: center;"> <pre> graph TD L10011[L10011] --> SBSB1[SBSB Sends Requisition to ATAC-A/8 2745.1] SBSB1 --> L10012[L10012] L10012 --> SBSB2[SBSB Sends Requisition to SCS 2746.1] L10012 --> SBSB3[SBSB Checks Requisition Due-In From SCS 2745.1] L10012 --> L10013[L10013] L10013 --> SBSB4[SBSB Loads/Adjusts Stock Record 2745.1] </pre> </div>					
	Node:					
	Title:					
	Number: Pg 135					

Process Flow Decomp: Tech Finds Asset Discrepancies @

Used At:

Not Approved for Public Release

Author:

Project:

Notes:

Date: 5/13/98

Future To Be- Asset Sustainment Pro Rev: 1

1 2 3 4 5 6 7 8 9 10

Time: 08:25:09

Working

Draft

Recommended

Publication

DATE

Context

```

graph TD
    L9918[0 72018] --> L9914[Damage Asset @ 7725.1]
    L9914 --> L9915[X 72017]
    L9915 --> L9919[Functional Expert Decision Required @ 7725.1]
    L9919 --> L9961[Functional Expert Decision Required @ 7725.1]
    L9961 --> L9962[X 72016]
    L9962 --> L9963[Functional Expert Willing to Accept Asset @ 7725.1]
    L9963 --> L9964[Functional Expert Willing to Accept Asset @ 7725.1]
    L9964 --> L9965[Functional Expert Willing to Accept Asset @ 7725.1]
    L9965 --> L9970[Tech Scan Asset (or Discrepancy) Not Acceptable @ 7725.1]
    L9970 --> L9971[X 72014]
    L9971 --> L9972[Discrepancy Did Not Exceed Maximum $ (100) @ 7725.1]
    L9972 --> L9973[Discrepancy Value Exceeds $100 or Can't Agree @ 7725.1]
    L9973 --> L9974[Discrepancy Value Exceeds $100 or Can't Agree @ 7725.1]
    L9974 --> L9975[Asset(s) with Discrepancy @ 7725.1]
    L9975 --> L9976[X 72012]
    L9976 --> L9977[Supply Chain Processing is Required @ 7725.1]
    L9977 --> L9978[X 72011]
    L9978 --> L9983[Tech Takes Photo of Damaged Asset @ 7725.1]
    L9983 --> L9984[X 72010]
    L9984 --> L9985[Incorrect Item Received @ 7725.1]
    L9985 --> L9986[Asset Quality Over @ 7725.1]
    L9986 --> L9987[Asset Quality Short @ 7725.1]
    L9987 --> L9988[Asset Quality Short @ 7725.1]
  
```

Node:

Title: Tech Finds Asset Discrepancies @

Number: Pg 137

Used At:	Author:	Date:	5/13/98	Working	DATE	Context
Not Approved for Public Release	Project:	Future To Be- Asset Sustainment Pro Rev: 1		Draft		
	Notes:	1 2 3 4 5 6 7 8 9 10	Time: 08:25:09	Recommended		
				Publication		


```

graph TD
    L9914[ ] --> L9914_1[Tech Initiates SF 364 and/or SF 361  
L9914 27171.1]
    L9914_1 --> L9916_1[Tech Provides Requested Information to Supply  
L9916 27161.1]
    L9916_1 --> L9914_2[Supply Processes Discrepancy Claim  
L9914 27151.1]
    L9914_2 --> L9918_1[Supply Formulate Disposition Instructions  
L9918 27141.1]
    L9918_1 --> L9916_2[Acknowledge Discrepancy from SCS  
L9916 27131.1]
    L9916_1 --> L9917_1[Tech Receives Disposition Instructions from Supply  
L9917 27151.1]
    L9917_1 --> L9919_1[Tech Leads SCS Disposition Information  
L9919 27101.1]
    L9919_1 --> L9919_2[Tech Completes with Disposition Instructions  
L9919 27111.1]
    L9919_2 --> L9918_2[Damaged Asset Held Pending Disposition Instructions  
L9918 27121.1]
    L9918_2 --> L9919_3[Tech Updates Item Record in SCS  
L9919 27091.1]
    L9919_3 --> L9915_1[Tech Prints Out New Code Label  
L9915 27081.1]
    L9915_1 --> L9915_2[Tech Attached Label to Container  
L9915 27051.1]
    L9915_2 --> L9919_4[Asset is Con User Service  
L9919 27011.1]
  
```

Number: Pg 138

Node: Title: Tech Finds Asset Discrepancies @

Used At: Not Approved for Public Release		Author: Project: Notes:		Date: 5/13/98 Future To Be- Asset Sustainment Pro Rev: 1 1 2 3 4 5 6 7 8 9 10	<input checked="" type="checkbox"/> Working <input type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context	
<div>993 Asset is Considered Unrecoverable @ 708.1</div>									
Node:								Title: Tech Finds Asset Discrepancies @	Number: Pg 139

Process Flow Decomp: Trans Processes Discrepancy Claim @

Used At: Not Approved for Public Release	Author: Project: Notes:	Date: 10/29/88 Future To Be- Asset Sustainment Pro Rev: 1 Time: 10:15:56 1 2 3 4 5 6 7 8 9 10	Working Draft Recommended Publication	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
<pre> graph TD A[Trans Receives Damage Documentation @ 2783.1] -- L10064 --> B[Trans Paid Repairs to Vehicle & Vehicle Component for Action @ 2782.1] B -- L10075 --> C[Trans Paid Repairs to Vehicle & Vehicle Component for Action @ 2782.1] C -- L10075 --> D[Trans Paid Repair Processing Instructions Tech 2780.1] C -- L10075 --> E[Carrier Inspects Asset at Asset Location @ 2777.1] C -- L10075 --> F[Carrier Waives Inspection @ 2778.1] C -- L10075 --> G[Carrier 7 Day Holding Period Inspection @ 2779.1] E -- L10069 --> H[Carrier Inspects Asset at Asset Location @ 2777.1] F -- L10070 --> I[Carrier Waives Inspection @ 2778.1] G -- L10071 --> J[Carrier Inspects Asset at Asset Location @ 2777.1] H -- L10071 --> K[Carrier Inspects Asset at Asset Location @ 2777.1] I -- L10072 --> L[Carrier Inspects Asset at Asset Location @ 2777.1] J -- L10072 --> M[Carrier Inspects Asset at Asset Location @ 2777.1] K -- L10072 --> N[Carrier Inspects Asset at Asset Location @ 2777.1] L -- L10072 --> O[Carrier Inspects Asset at Asset Location @ 2777.1] M -- L10072 --> P[Carrier Inspects Asset at Asset Location @ 2777.1] N -- L10072 --> Q[Carrier Inspects Asset at Asset Location @ 2777.1] O -- L10072 --> R[Carrier Inspects Asset at Asset Location @ 2777.1] P -- L10072 --> S[Carrier Inspects Asset at Asset Location @ 2777.1] Q -- L10072 --> T[Carrier Inspects Asset at Asset Location @ 2777.1] R -- L10072 --> U[Carrier Inspects Asset at Asset Location @ 2777.1] S -- L10072 --> V[Carrier Inspects Asset at Asset Location @ 2777.1] T -- L10072 --> W[Carrier Inspects Asset at Asset Location @ 2777.1] U -- L10072 --> X[Carrier Inspects Asset at Asset Location @ 2777.1] V -- L10072 --> Y[Carrier Inspects Asset at Asset Location @ 2777.1] W -- L10072 --> Z[Carrier Inspects Asset at Asset Location @ 2777.1] X -- L10072 --> AA[Carrier Inspects Asset at Asset Location @ 2777.1] Y -- L10072 --> AB[Carrier Inspects Asset at Asset Location @ 2777.1] Z -- L10072 --> AC[Carrier Inspects Asset at Asset Location @ 2777.1] </pre>						

Process Flow Decomp: Tech Finds Container Discrepancies @

Used At: Not Approved for Public Release		Author: Project: Future To Be- Asset Sustainment Pro Notes: 1 2 3 4 5 6 7 8 9 10		Date: 10/29/98 Rev: 1 Time: 10:15:42		Working <input type="checkbox"/> Draft <input checked="" type="checkbox"/> Recommended <input type="checkbox"/> Publication		READER		DATE		Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.	
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Process Flow Decomp: D035A Audits Requisition for Data Field Accuracy

Process Flow Decomp: DLA Prepares Asset For Storage or Shipping

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Project: Future To Be- Asset Sustainment Pro	Rev: 1		X Draft			
Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:12:11		Recommended			
			Publication			

```

graph TD
    A["Y /A16"] --> B["DLA Packs Asset On Transport Site (If Required)"]
    B --> C["DLA Packs Up Asset (If Required)"]
    C --> D["DLA Takes Asset (If Required)"]
    C --> E["DLA Packs Up Asset (If Required)"]
    D --> F["DLA Receives Asset (If Required)"]
    E --> G["DLA Receives Asset (If Required)"]
    F --> H["DLA Receives Asset (If Required)"]
    G --> H
  
```

Node:	Title: DLA Prepares Asset For Storage or Shipping	Number: Pg 147
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Process Flow Decomp: DLA Determines Carrier

Process Flow Decomp: DLA Tech Manually Inputs Asset Info into D035K

Process Flow Decomp: EXPRESS Runs Supportability Check

Used At: Not Approved for Public Release	Author: AFLMA Reengineering Team	Date: 10/29/98	Working	READER	DATE	Context Neither the US Gov't or Intergraph has any responsibility or liability for any consequences of any use, misuse, inability to use, or reliance upon the information contained herein.
Project: Future To Be- Asset Sustainment Pro	Rev: 1		x	Draft		
Notes: 1 2 3 4 5 6 7 8 9 10	Time: 10:10:02			Recommended		
				Publication		

```

graph TD
    A[EXPRESS Checks for Asset Availability  
L3319 11053.1] --> B[EXPRESS Checks for Part Availability  
L3322 11083.1]
    A --> C[EXPRESS Checks for Shop Capacity  
L3324 11097.1]
    B --> D[EXPRESS Checks for Supportability  
L3325 11084.1]
    C --> D
  
```

Node:	Title: EXPRESS Runs Supportability Check	Number: Pg 153
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Process Flow Decomp: FM, SSC, & Shop Review EXPRESS Repair List

Process Flow Decomp: Supply Processes Discrepancy Claim @

Used At: Not Approved for Public Release	Author: Project: Notes:	Date: 5/13/98 Future To Be- Asset Sustainment Pro Rev: 1 1 2 3 4 5 6 7 8 9 10 Time: 08:25:10	<input checked="" type="checkbox"/> Working <input type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context
<div>Supply Receive Preparation from Tech @ 7790.1</div> <div>Supply Initiates Request & Reports @ 7790.1</div> <div>Supply Send Rpt to JCS Computer Stock Cont #7790 7790.1</div> <div>Supply Receive Deposition Information @ 7790.1</div>						
Node:	Title: Supply Processes Discrepancy Claim @					Number: Pg 158

Process Flow Decomp: Tech Scans Asset (w/Discrepancy) with SATS @

Used At: Not Approved for Public Release	Author: Project: Notes:	Date: 5/13/98 Future To Be-Asset Sustainment Pro Rev: 1 1 2 3 4 5 6 7 8 9 10 Time: 08:25:10	<input checked="" type="checkbox"/> Working <input type="checkbox"/> Draft <input type="checkbox"/> Recommended <input type="checkbox"/> Publication	READER	DATE	Context

Node:

Tech Scans Asset (w/Discrepancy) with SATS @

Title:

Number: Pg 160

REPORT DOCUMENTATION PAGE			FORM APPROVED OMB No. 0704-0188	
Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC, 20503.				
1. AGENCY USE ONLY (Leave Blank)		2. REPORT DATE December 1998		3. REPORT TYPE AND DATES COVERED Final Report - Volume III
4. TITLE AND SUBTITLE Logistics Process Optimization Study Volume III - Future Retail Aircraft Asset Sustainment Process Models			5. FUNDING NUMBERS	
6. AUTHOR(S) Anthony Adamson, Intergraph Corporation, Coml (256) 730-7762 Dorothy J. Tribble, Major, AFLMA/LGM, DSN 596-4581				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Air Force Logistics Management Agency/LGM 501 Ward Street Maxwell AFB, Gunter Annex AL 36114-3236			8. PERFORMING ORGANIZATION REPORT NUMBER LM199731101	
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11. SUPPLEMENTARY NOTES Phase I was completed and published by Intergraph Corporation in a separate 2-volume set: Volume 1, USAF Logistics Asset Sustainment As-Is Process Report, and Volume 2, As-Is Models.				
12a. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution is unlimited.			12b. DISTRIBUTION CODE A	
13. ABSTRACT (Maximum 200 Words) This USAF Logistics Process Optimization Study for the Aircraft Asset Sustainment Process -- Phase II Report is the second in a series of technical reports prepared under AFLMA Project LM9731101. It is published as three separate volumes. Volume I, USAF Logistics Process Optimization Study for the Aircraft Asset Sustainment Process -- Phase II Report, discusses the result and cost/benefit analysis of testing three initiatives at Langley Air Force Base as possible solutions to several findings discussed in the Phase I Report, USAF Logistics Asset Sustainment As Is Process. Volume II, (To Be Models), contains the To-Be Retail Asset Sustainment Process Model displaying the activities and functions related to the improved processes for receipt, storage, issue and delivery of materiel as tested at Langley Air Force Base, Virginia. Volume III, (Future Retail Aircraft Asset Sustainment Process Models,) is published as a stand-alone volume of this report. Volume III contains a discussion of the Reengineering Team's efforts in the development of a logistics process model for a more distant future asset sustainment scenario unconstrained by today's logistics information systems limitations. It also contains a process model reflecting the Reengineering Team's vision of the future asset sustainment process.				
14. SUBJECT TERMS Logistics, reengineering, process, model, aircraft, asset, sustainment, optimization, IDEF, As-Is, To-Be			15. NUMBER OF PAGES 152	
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